# SONY CVM-1370QB/QE

MODEL

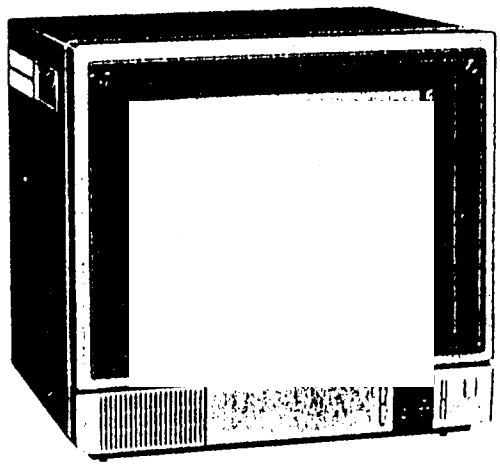
SERVICE MANUAL

# CVM-1370QB

# SERVICE MANUAL

*UK Model*

*Chassis No. SCC-488A-A*



May, 1983

## SPECIFICATIONS

| | |
|---|---|
| Television system | British color TV standards |
| Color system | PAL, SECAM, NTSC and NTSC4.43 |
| Channel coverage | UHF channels 21 - 68<br>(a total of up to 16 preselected channels) |
| Picture tube | Trinitron tube<br>Approx. 33 cm (13 inches)<br>90-degree deflection<br>(Approx. 31 cm picture measured diagonally) |
| Aerial | 75-ohm standard aerial socket |
| Resolution | 500 lines |
| Color temperature | 6,500°K |
| Frequency response | 5.5 MHz (−3 dB, composite video) |
| Horizontal linearity | ±8% |
| Vertical linearity | ±5% |
| Line pull range | Horizontal ±500 Hz<br>Vertical 8 Hz |
| Speaker | 5 × 9 cm, Audio output 1 W (10% harmonic distorsion) |
| Power requirements | 240 V ac, 50 Hz |
| Power consumption | 80 W |
| Dimensions | Approx. 346 × 339 × 388 mm (w/h/d)<br>(13⅝ × 13⅜ × 15⅜ inches) |
| Weight | Approx. 14,6 kg (32 lb 3 oz) |
| Accessory supplied | Aerial connecting plug |

Input/output

| Signal | Connector | Signal level | Remarks |
|---|---|---|---|
| VIDEO input | [VTR] 8-pin (pins 2 & 6) | 0.5 - 1.5 V (p-p) composite<br>1.0 V (p-p) nominal | PAL, SECAM, NTSC, NTSC4.43<br>75 ohms, sync negative |
| | [LINE] BNC connector | | |
| VIDEO output | [TV] BNC connector | 1.0 V (p-p) composite | PAL, SECAM, NTSC, NTSC4.43<br>75 ohms, sync. negative |
| | [VTR] 8-pin (pins 3 & 4) | | |
| | [LINE] BNC connector | | |
| | [MONITOR] BNC connector | | |
| AUDIO input | [VTR] 8-pin (pins 1 & 5) | −5 dB | high impedance |
| | [LINE] Minijack | | |
| AUDIO output | [TV] Minijack | −5 dB | less than 4.7 kilohms |
| | [VTR] 8-pin (pins 7 & 8) | −20 dB | |
| | [LINE] Minijack | −5 dB | |
| | [MONITOR] Minijack | | |

While the information given is true at the time of printing, small production changes in the course of our company's policy of improvement through research and design might not necessarily be indicated in the specifications. We would ask you to check with your appointed Sony dealer if clarification on any point is required.

TRINITRON® COLOUR
RECEIVER/MONITOR

SONY

MICROFILM

MON

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

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# SECTION 1
# GENERAL

## 1-1. FEATURES

- Super Fine Pitch Trinitron picture tube for a fine-detailed picture.
- Easy channel selection by the program select buttons.
- TV/VTR/LINE input select buttons for a fully equipped receiver/monitor.
- The PAL, SECAM, NTSC or NTSC4.43 color system is selected automatically.
- Automatic frequency control switch to select the horizontal AFC time constant, fast or slow.
- Colorpure Filter for fine picture detail without color spill or color noise.

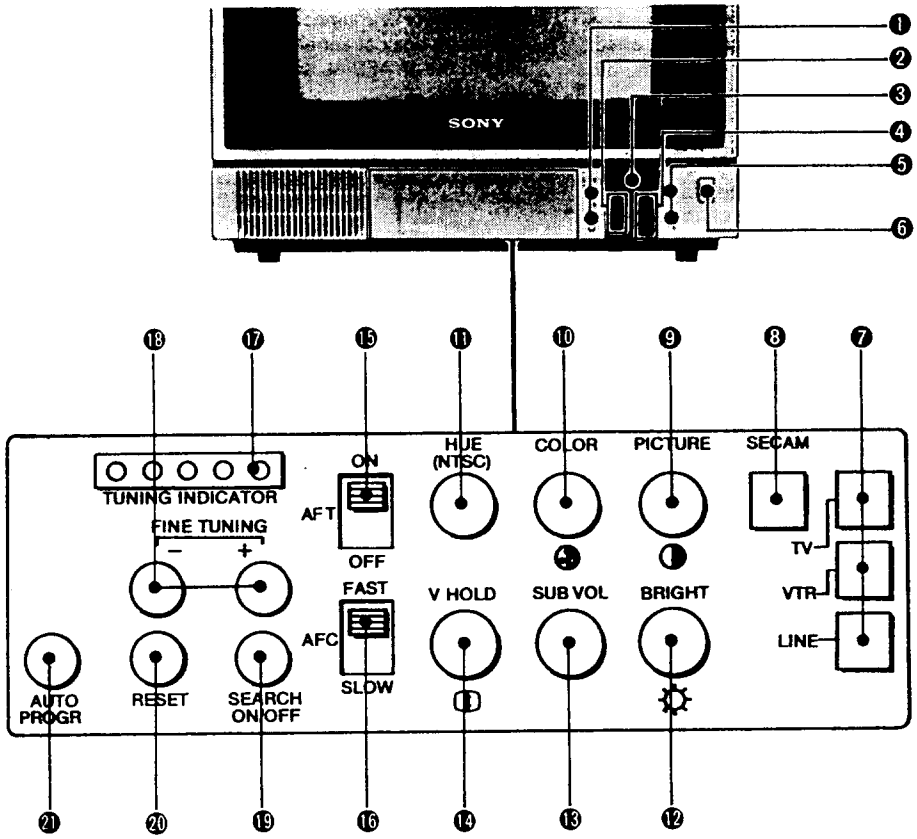
> By using an optional MB-502 mounting bracket, the CVM-1370QB can be mounted in an EIA standard 19-inch rack.
> An optional SLR-102 slide rail is also available.
> For mounting, see the appropriate instruction manual.

## 1-2. WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Dangerously high voltages are present inside the unit. Do not open the cabinet. Refer servicing to qualified personnel only.

## 1-3. LOCATION AND FUNCTION OF CONTROLS




**❶ POWER switch**
Set to ON to turn on the monitor and to off to turn it off.

**❷ PROGRAM select buttons**
Press + to select a program with a higher number and – to select a program with a lower number.

**❸ Color system indicators**
Indicate the color system of the received telecast or playback of the VTR.

**❹ Program indicator**
Indicates the program number selected.

**❺ Input indicators**
When any of the input select buttons is pressed, the associated input indicator will illuminate.

**❻ VOLUME buttons**
Press the + or – button to regulate the volume.

**❼ Input select buttons**
Press to select the program source to be monitored.
TV : for a TV program (antenna inputs).
VTR : for a signal from the VTR connector.
LINE : for a signal from the LINE IN jacks.

**❽ SECAM button**
This button is effective only for the SECAM color system. Press this button when the picture receiving SECAM color sources is distorted. The picture will become clear.

**❾ PICTURE control**
Adjusts the contrast, color intensity and brightness simultaneously in the proper ratio.

**❿ COLOR control**
Adjusts the color intensity of the picture. Clockwise rotation makes the picture vivid; counterclockwise rotation makes it pale.

**⓫ HUE (NTSC) control**
This control is effective only for a program of the NTSC or NTSC4.43 color system. Use to obtain the most natural skin tones. Clockwise rotation makes the skin tones greenish; counterclockwise rotation makes them purplish.

**⓬ BRIGHT (brightness) control**
Adjusts the brightness.

**⓭ SUB VOL (volume) control**
Use to set the initial volume. When the power is turned on, the volume is always at this initial level.

**⓮ V HOLD (vertical hold) control**
If the picture rolls vertically, correct it with this control.

**⑯ AFT (automatic fine tuning) button**
Usually, set the button to ON to lock in the correct signal and obtain a sharp picture. In tuning process, this button has no effect. When fine tuning a station with extreme interference, set the button to OFF.

**⑱ AFC (automatic frequency control) selector**
Select the AFC operation for the fast mode or slow mode.
FAST : Incoming sync timing errors are compensated for.
SLOW : Incoming sync timing errors are displayed on the screen. This mode is used to monitor the jitter from VTR.

**⑰ TUNING INDICATOR**
Indicates the approximate position of the tuned station.

**⑲ FINE TUNING buttons**
Press to fine tune the station. In fine tuning, set the AFT button to OFF.

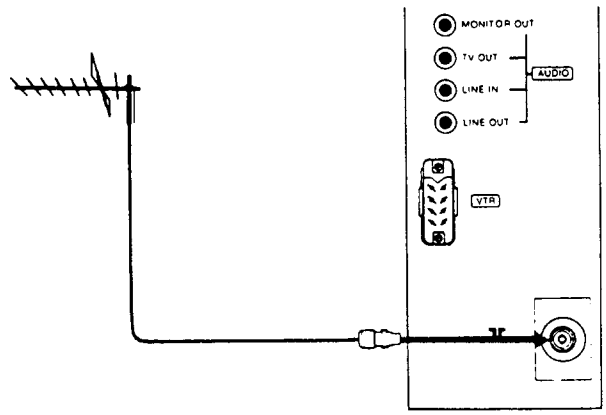
**⑮ SEARCH ON/OFF button**
Press to ON to tune in a station in program presetting. Press it again (OFF) when the tuning has completed.

**⑳ RESET button**
Press this button to clear a preset station or to reset the tuning to a frequency below channel 21.

**㉑ AUTO PROGR (programing) button**
To preset the receivable stations automatically, press this button.

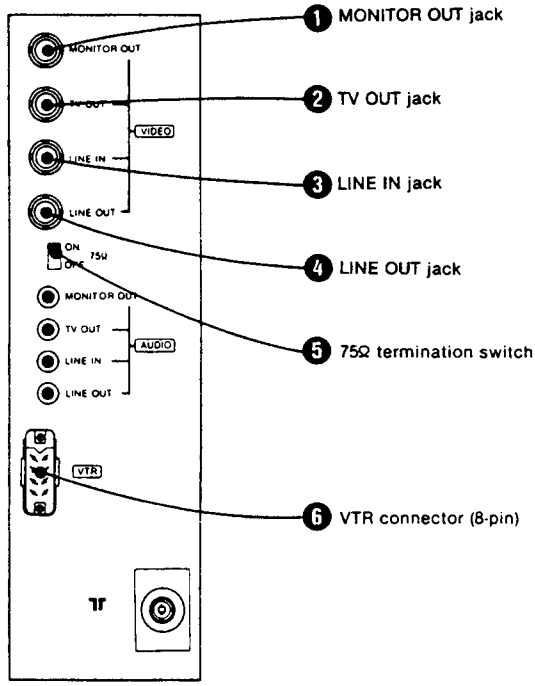
## 1-4. AERIAL CONNECTION

Good picture and sound are obtained when a proper aerial is used. Your monitor is equipped with a standard aerial connecting socket. Connect a coaxial aerial cable using the supplied aerial connecting plug to the ⅄ AERIAL socket of your monitor.



## 1-5. SYSTEM CONNECTIONS

### CONNECTORS FOR VIDEO/AUDIO




**❶ MONITOR OUT jack**
The signal selected by the input select buttons and appearing on the screen is also output here. Connect a video tape recorder or another monitor.

**❷ TV OUT jack**
TV signal is output independently of the input select button position.

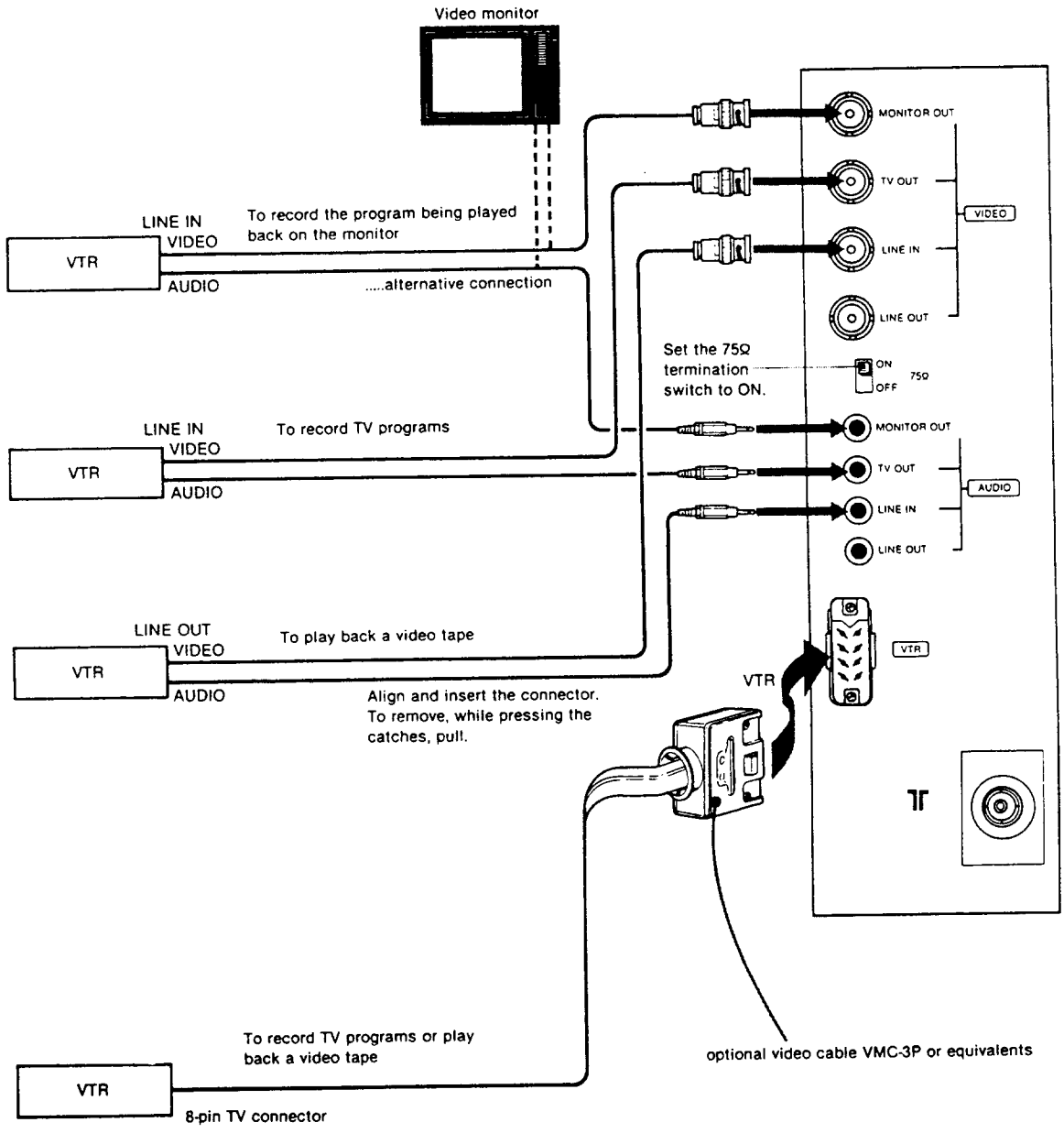
**❸ LINE IN jack**
Connect a video tape recorder or a camera. Press the LINE input select button to monitor the signal.

**❹ LINE OUT jack**
The signal supplied to the LINE IN jacks is output here to permit multiple monitor connections. This jack is independent of the input select buttons.

**❺ 75Ω termination switch**
When only one monitor is used, set the switch to ON. When several monitors are connected, set the switch of the last monitor in the looped chain to ON and set it to OFF on the other monitors.

**❻ VTR connector (8-pin)**
Connect a video tape recorder equipped with an 8-pin connector to record TV programs or to monitor the signal from a recorder.
For monitoring, press the VTR input select button.
For connection, use optional video cable, VMC-3P (3 m), -5P (5 m) or -10P (10 m).

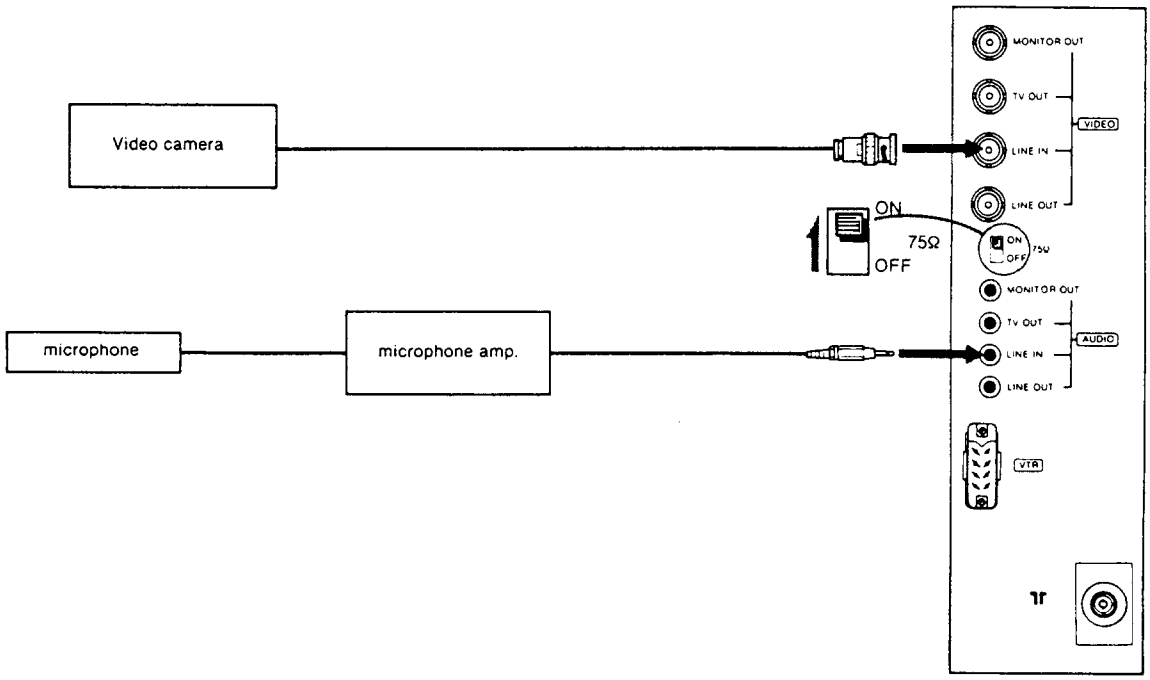
## CONNECTING A VIDEO TAPE RECORDER




**Notes**

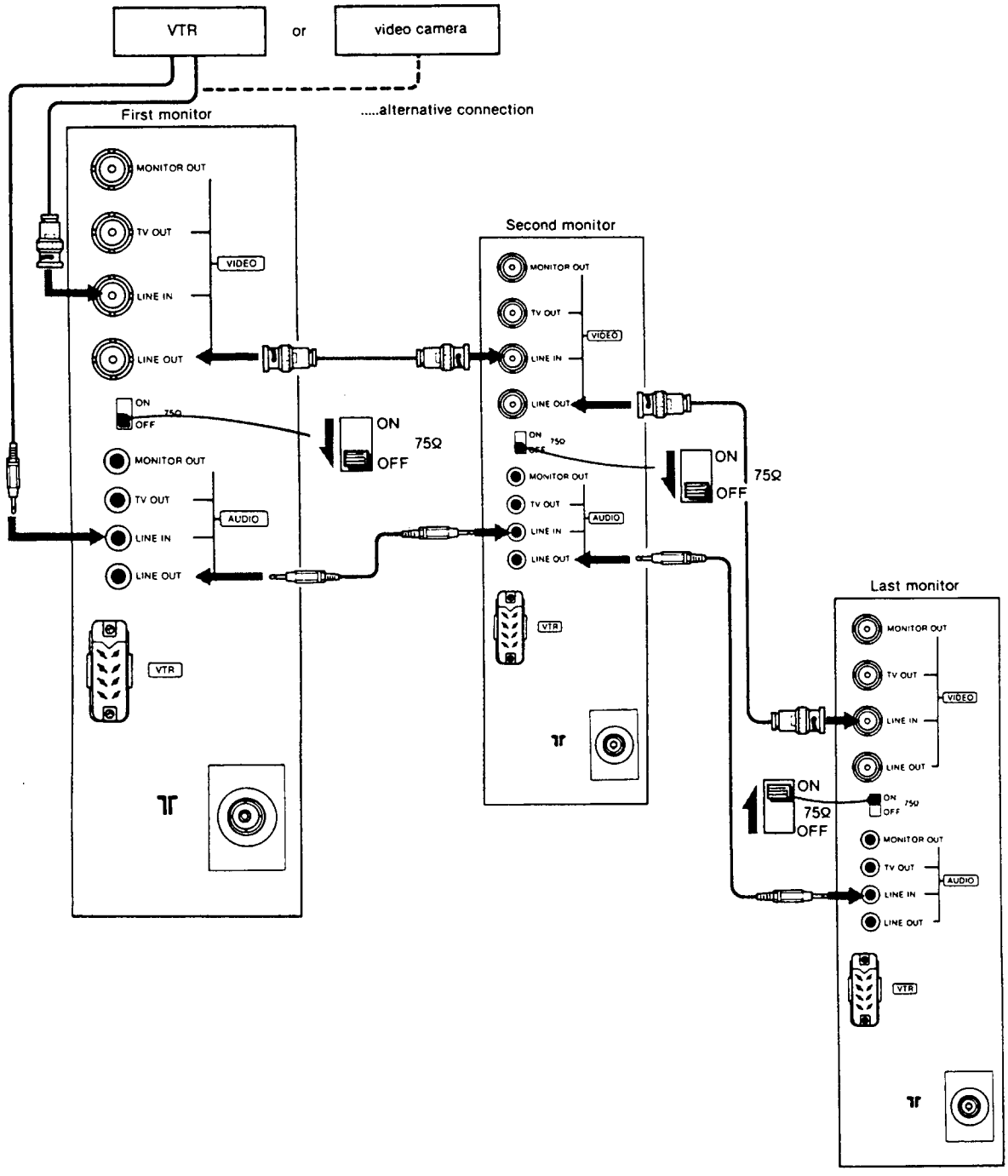
- TV signal is output from the TV OUT jacks independently of the input select buttons. It is not possible, however, to record from the TV OUT jacks while playing back a recorded tape through the VTR connector or LINE IN jacks.
- When monitoring the picture at fast speed, the picture may roll vertically or become monochrome.

## CONNECTING A CAMERA AND A MICROPHONE



**MULTIPLE MONITOR CONNECTION**

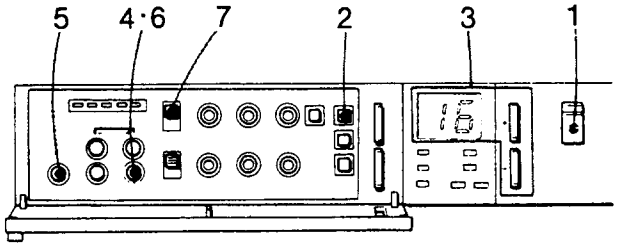
Up to 10 monitors may be connected.
Set the 75Ω termination switch of the **last monitor** to ON, and that of the other monitors to OFF.



## 1-6. PROGRAM PRESETTING

### TO PRESET ALL THE RECEIVABLE STATIONS

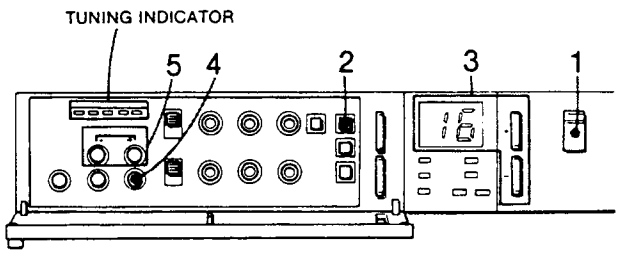
The receivable TV stations, up to 16, in your area can be preset to the PROGRAM select buttons automatically in order from the TV station with the lowest frequency to the station with the highest.




1 Set the POWER switch to ON.
2 Press the TV input select button. The TV input indicator will light up.
3 Press the + or – PROGRAM select button until the figure 1 appears on the program indicator.
4 Press the SEARCH button to ON. The number 1 on the program indicator will blink.
5 Press the AUTO PROGR button. Automatic programing will begin. The first station found will be memorized at program position 1, the second at position 2, and so on. When no more stations can be found, automatic programing will stop.
6 When the presetting is completed (or if you wish to interrupt the presetting), press the SEARCH button to OFF. The figure will stop blinking.
7 Make sure that the AFT button is set to ON.

### TO PRESET THE STATIONS ONE BY ONE

Any program position can be set to any station so that you can arrange the stations in the desired order. Consult your local TV listing to find out the receivable stations in your area.




1 Set the POWER switch to ON.
2 Press the TV input select button. The TV input indicator will light up.
3 Press the + or – PROGRAM select button untill the number of the program position to which the station is to be preset appears in the program indicator.
4 Press the SEARCH button to ON. The number on the indicator will blink.
5 Press the + FINE TUNING button (do not hold the button in) to locate a station with higher frequency and the – FINE TUNING button to find out one with a lower frequency. The TUNING INDICATOR segments will show what portion of the UHF band the tuning station is in.
When a station is received, the search will stop and the program number will stop blinking. Repeat pressing the + or – FINE TUNING button, referring to the picture on the screen, until the desired station is received.
6 Repeat step 4 and 5 until every station you want has been preset.

**RESET button**

If this button is pressed, any memory on the selected program position will be erased and the unit will be automatically tuned to a frequency below channel 21. Then, to quickly locate the lowest available channel, press the + FINE TUNING button once. To locate the highest available UHF channel, press the – FINE TUNING button once.

### FINE TUNING

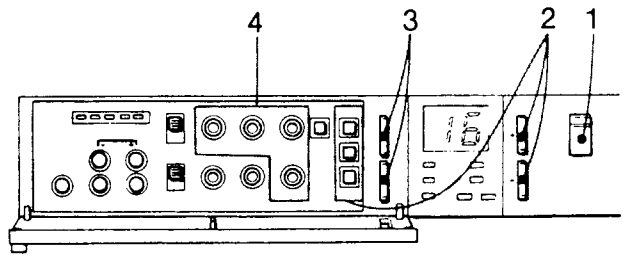
If you cannot obtain a clear picture on a particular channel, fine tune that station manually.

1 Press the + or – PROGRAM select button to select the station to be fine tuned.
2 Set the AFT button to OFF.
3 Keep the + or – FINE TUNING button depressed until a clear picture is obtained.
4 Keep the AFT button OFF while you are watching the manually fine-tuned station. For other stations, set the AFT button to ON.

## 1-7. OPERATION

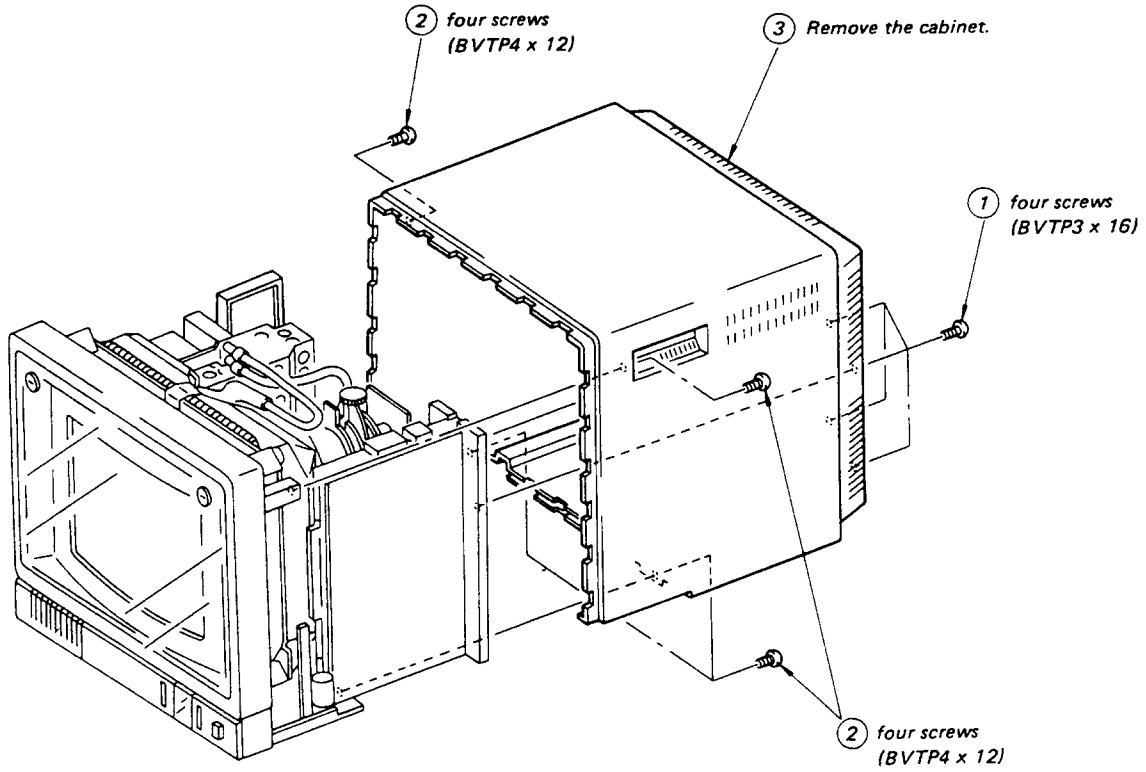
1 Set the POWER switch to ON.
2 Select the program source to view on the screen. The associated indicator will light up.
TV: to view a TV program. Select the program by pressing the + PROGRAM select button for higher numbered program and – button for lower numbered program.
VTR: to view a video tape played back on the recorder connected to the VTR connector.
LINE: to view a program connected to the LINE IN jack.
3 Adjust the volume: + VOLUME to increase the volume and – to decrease.
4 Adjust the picture with PICTURE, COLOR, BRIGHT or HUE (hue only for NTSC and NTSC4.43 programs) controls if necessary.

●The color system indicator illuminates according to the color system of the program source.

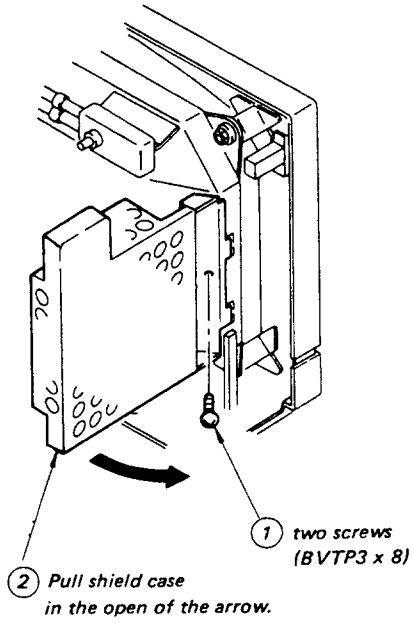


# SECTION 2
# DISASSEMBLY AND REPLACEMENT

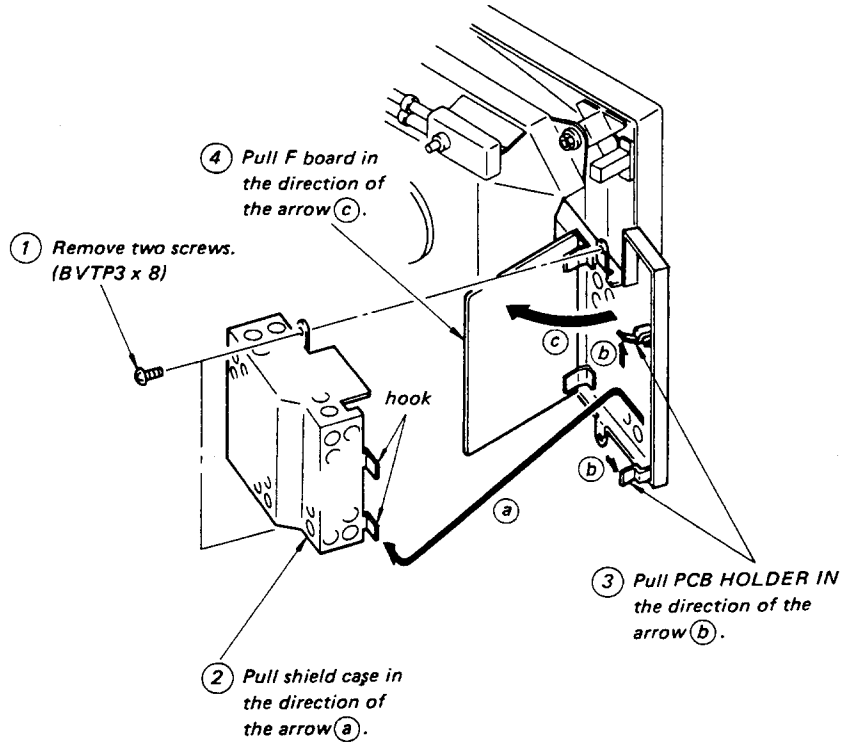
## 2-1. COVER REPLACEMENT



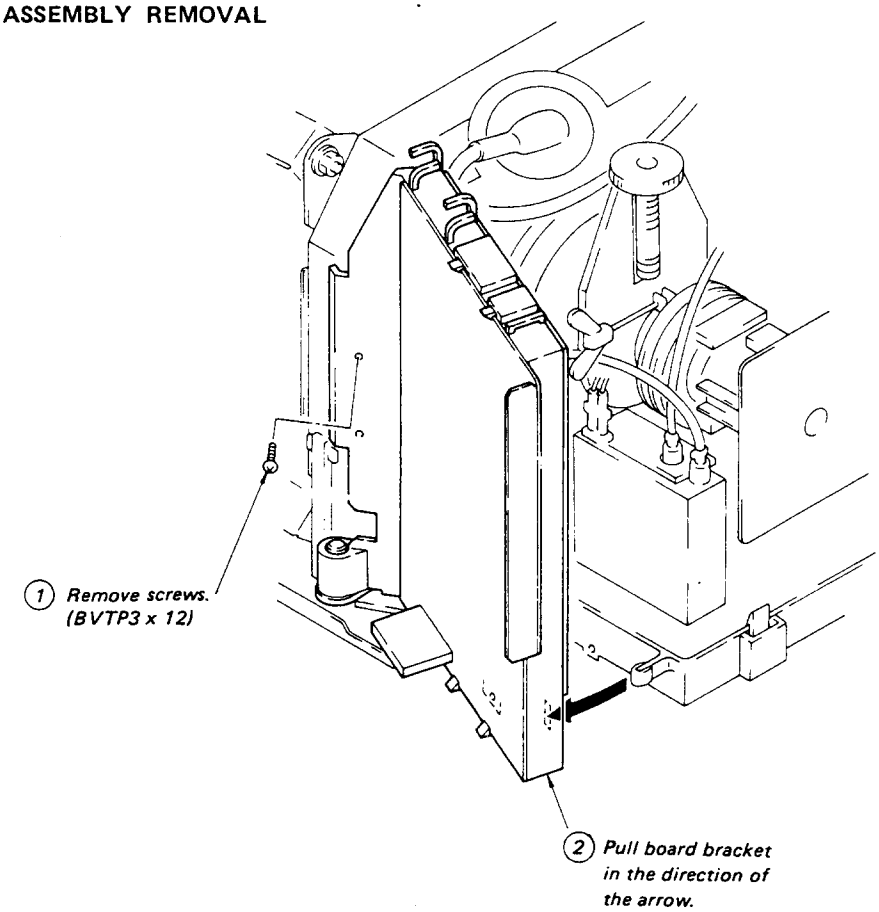

## 2-2. F BOARD SHIELD CASE ASSEMBLY REMOVAL



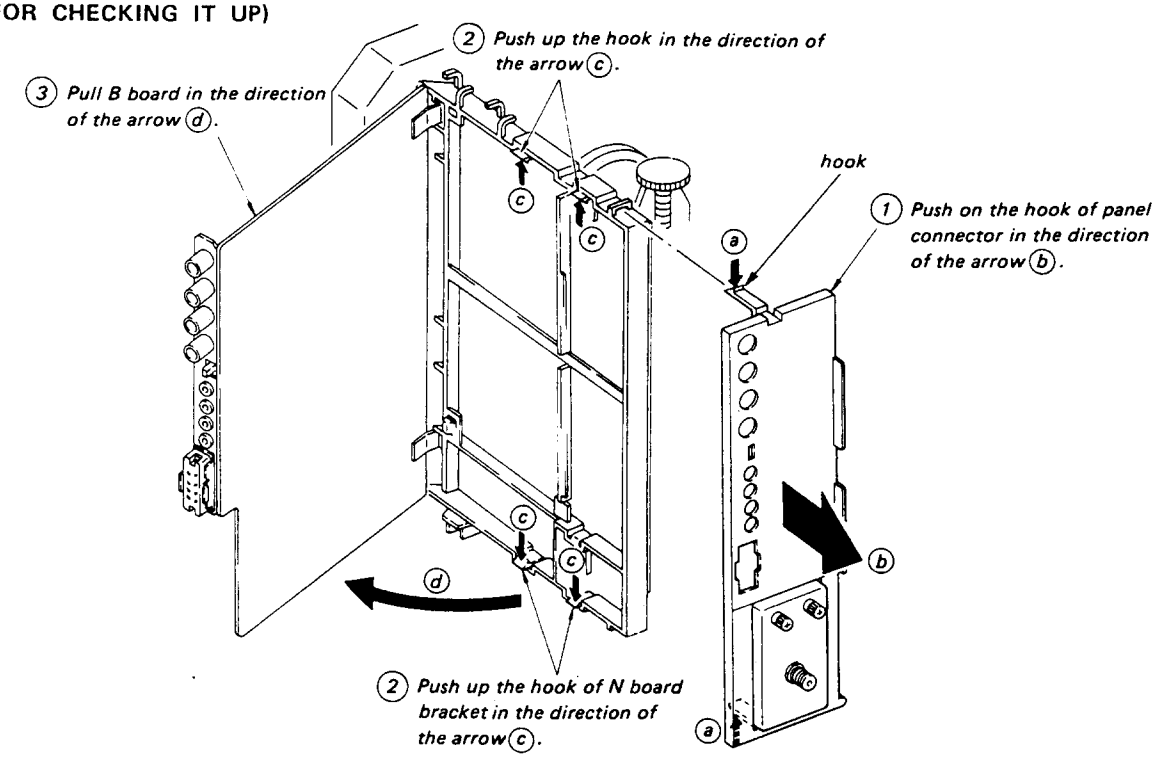

## 2-3. F BOARD ASSEMBLY REMOVAL (FOR CHECKING IT UP)



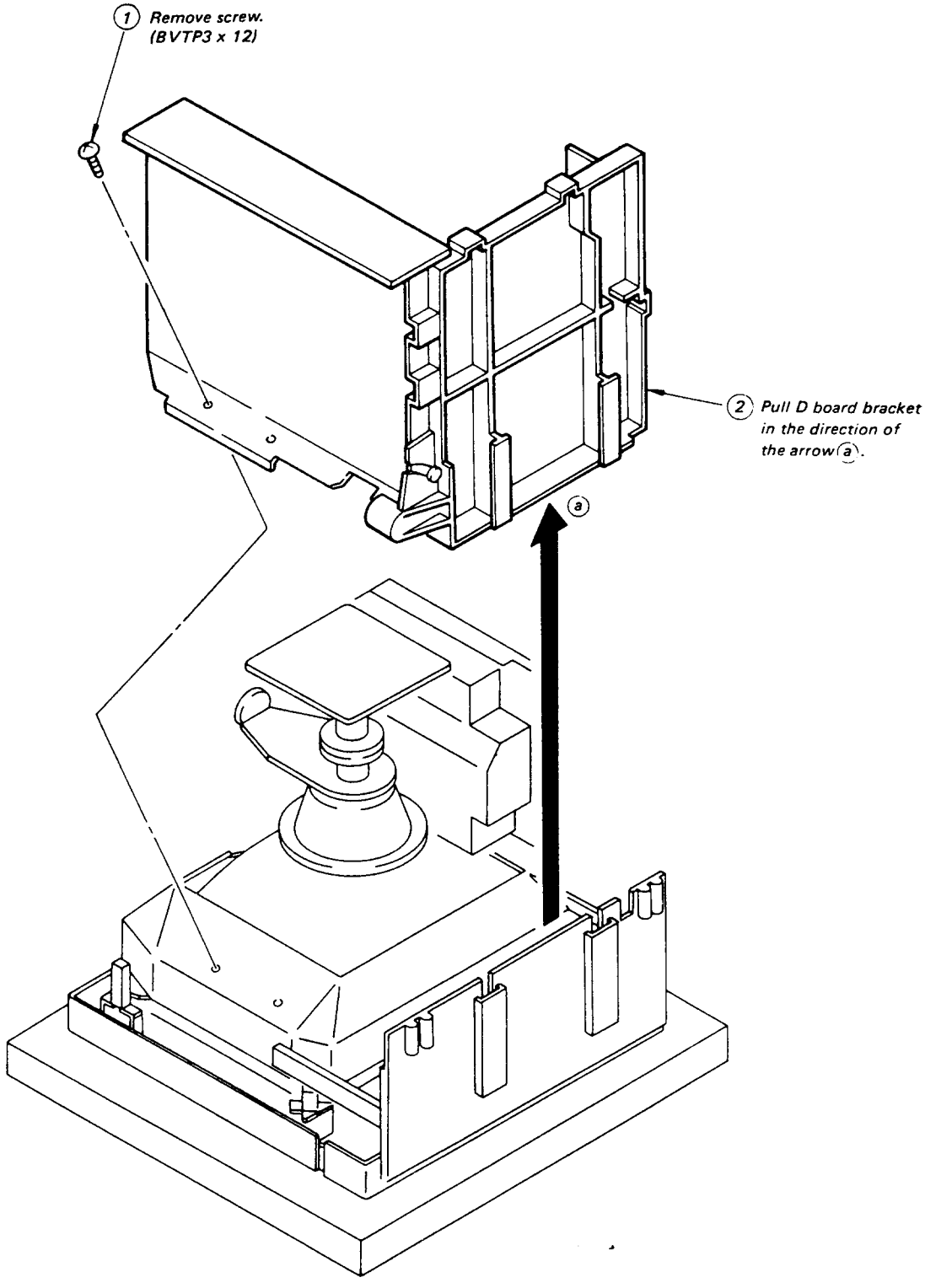
## 2-4. A, B BOARD ASSEMBLY REMOVAL



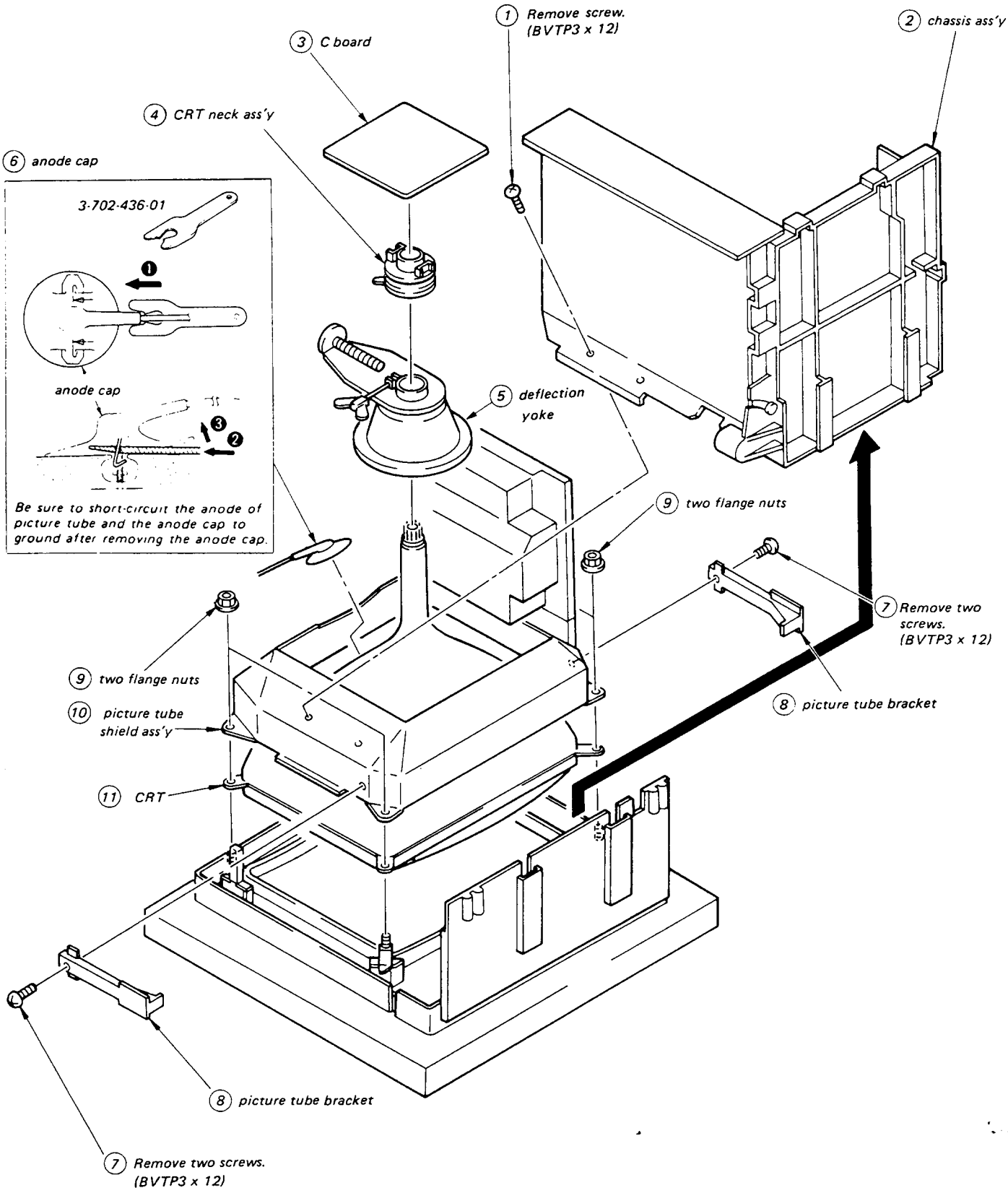

## 2-5. A, B BOARD REMOVAL (FOR CHECKING IT UP)


(2) Push up the hook in the direction of the arrow (c).
(3) Pull B board in the direction of the arrow (d).
hook
(1) Push on the hook of panel connector in the direction of the arrow (b).
(2) Push up the hook of N board bracket in the direction of the arrow (c).

## 2-6. D BOARD BRACKET ASSEMBLY REMOVAL

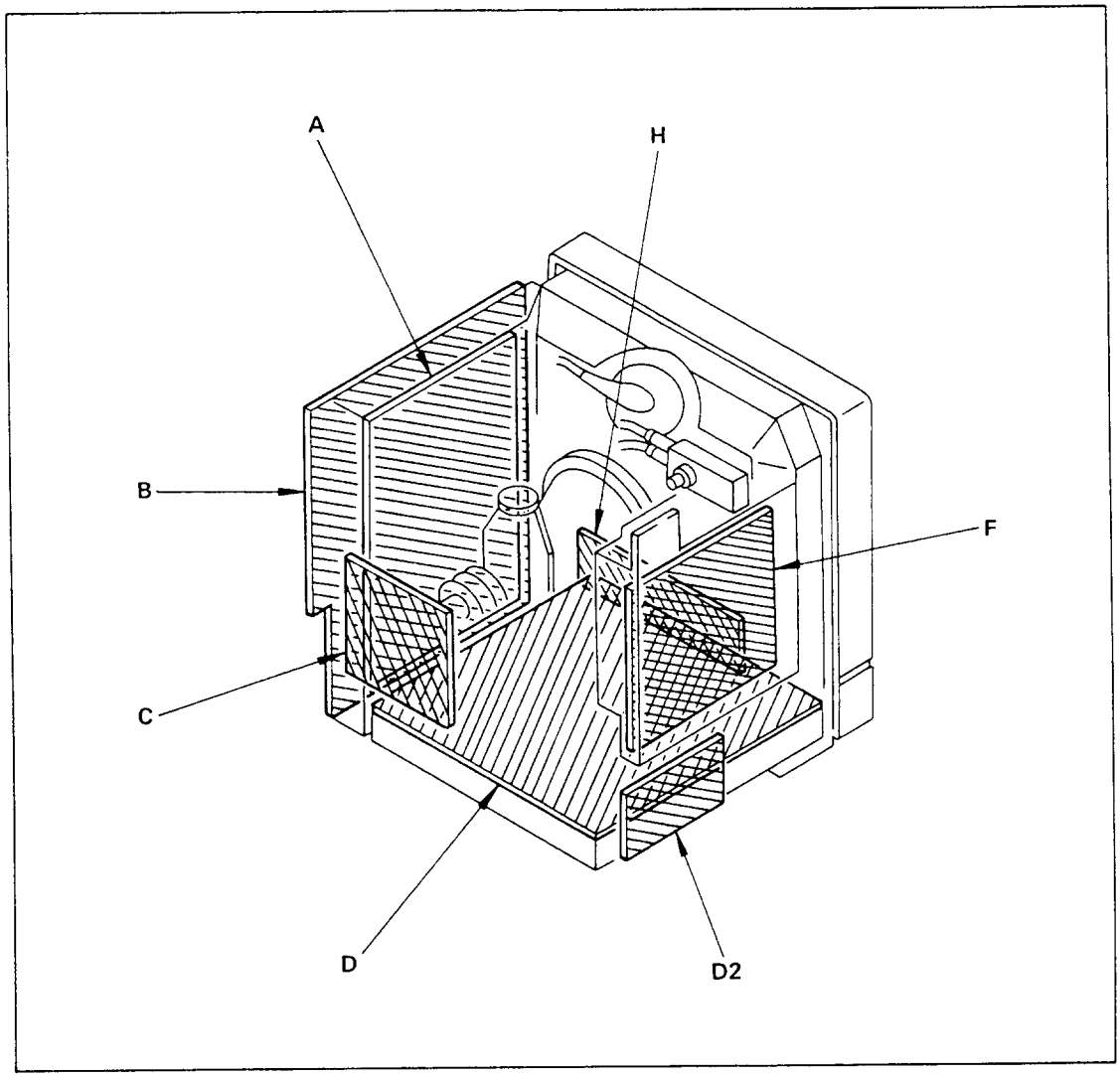


## 2-7. PICTURE TUBE REMOVAL

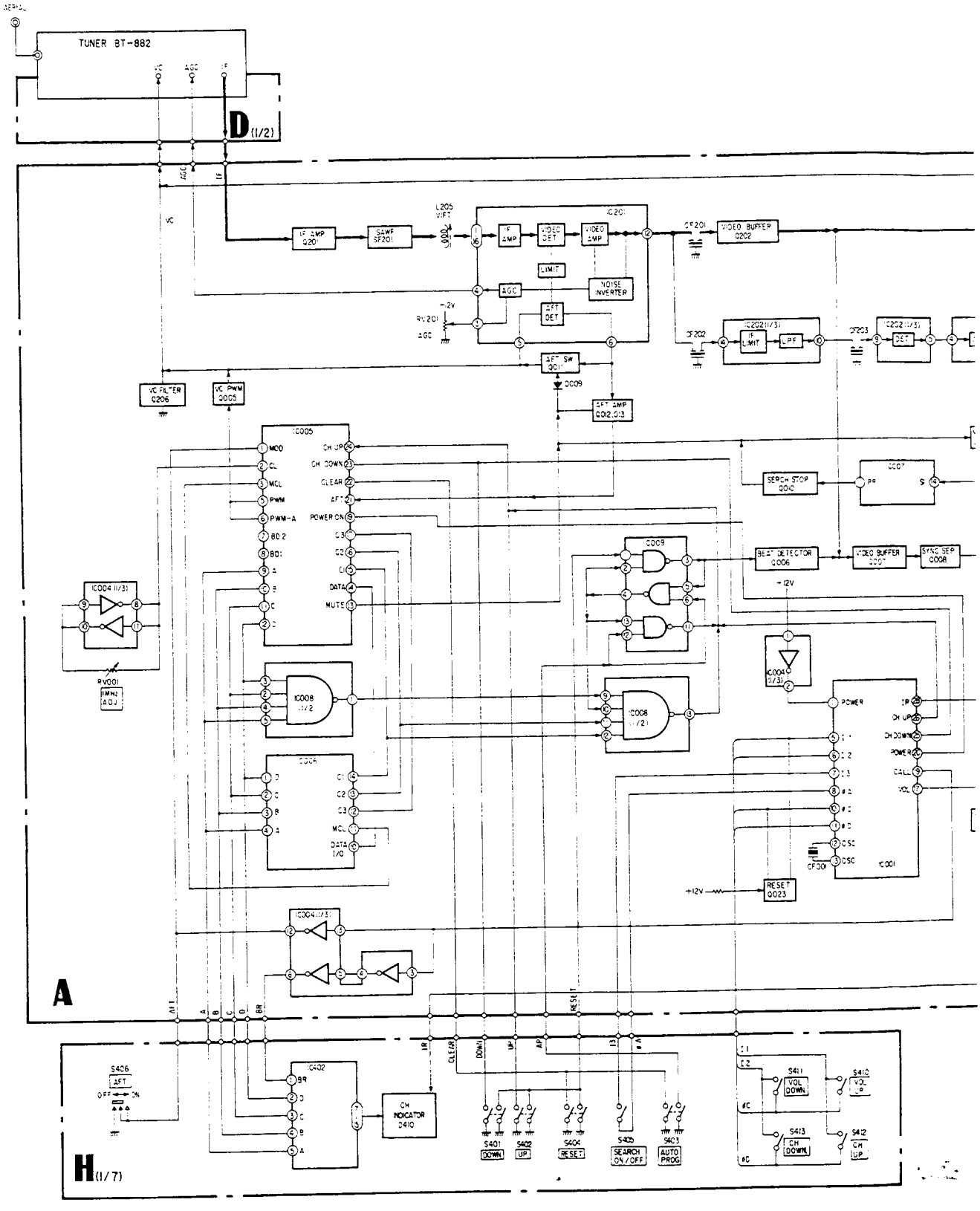

1 Remove screw. (BVTP3 x 12)
2 chassis ass'y
3 C board
4 CRT neck ass'y
6 anode cap
3-702-436-01
anode cap
Be sure to short-circuit the anode of picture tube and the anode cap to ground after removing the anode cap.
5 deflection yoke
9 two flange nuts
7 Remove two screws. (BVTP3 x 12)
8 picture tube bracket
9 two flange nuts
10 picture tube shield ass'y
11 CRT
8 picture tube bracket
7 Remove two screws. (BVTP3 x 12)

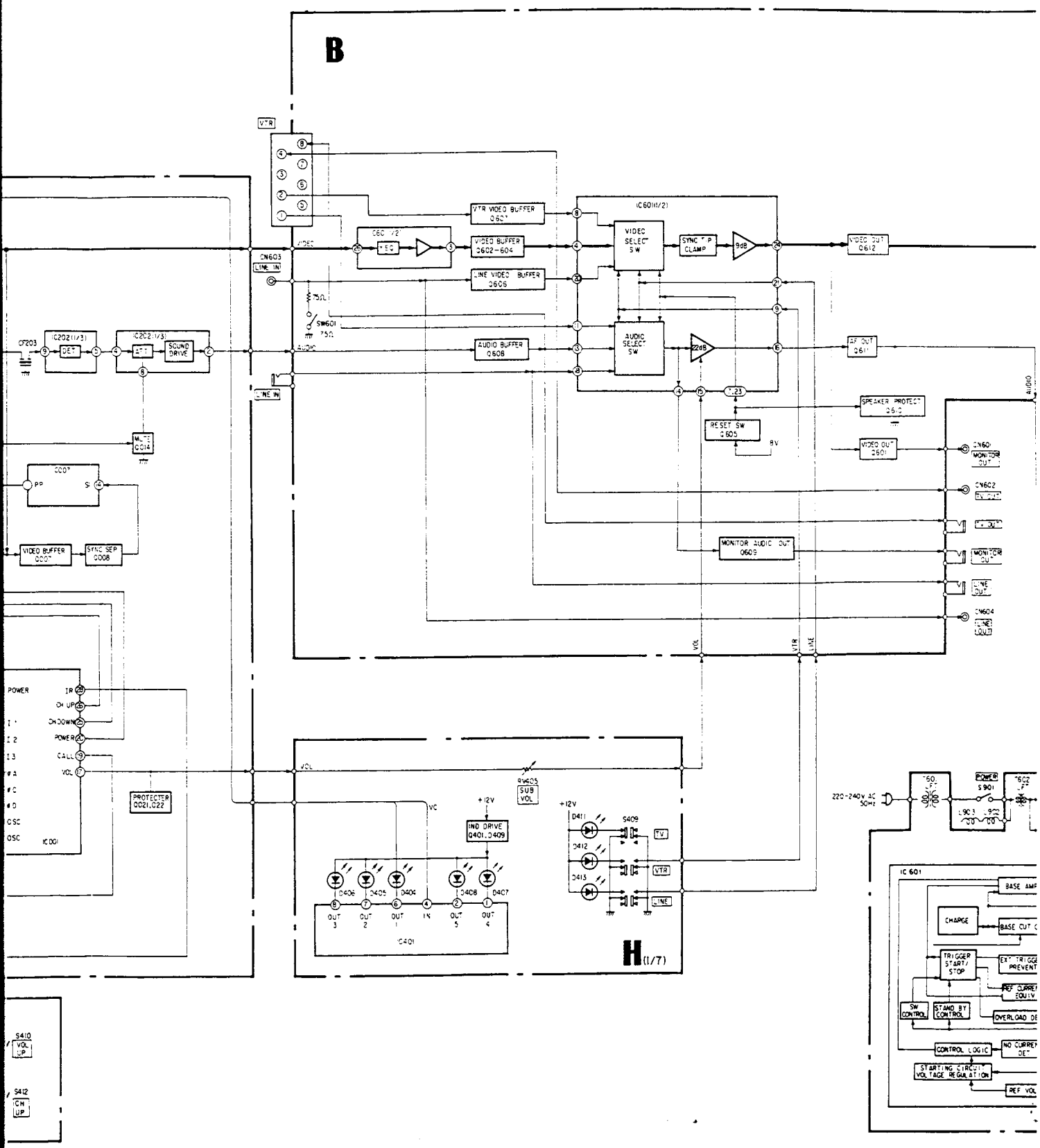
# SECTION 3
# DIAGRAMS

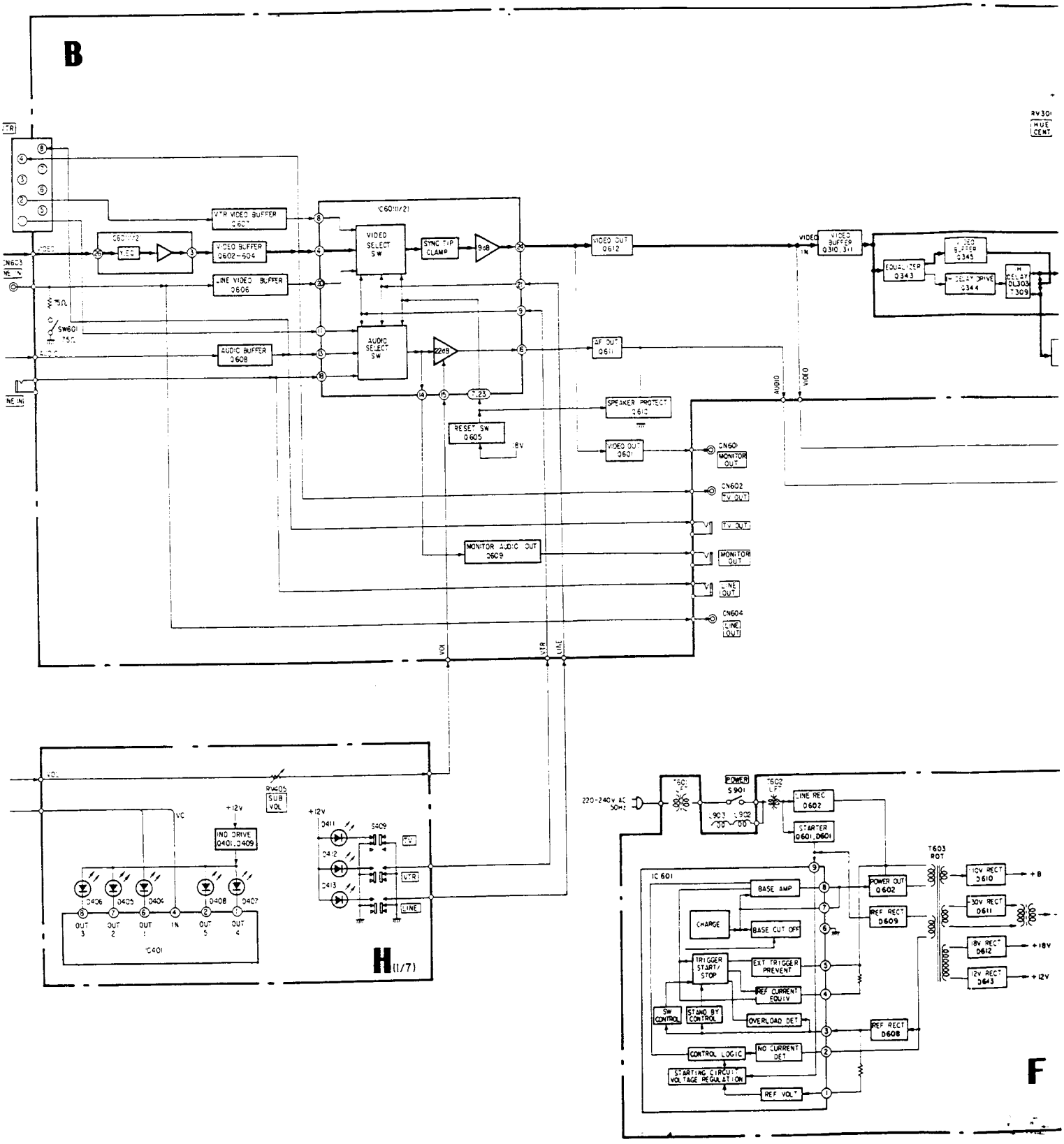
## 3-1. CIRCUIT BOARDS LOCATION

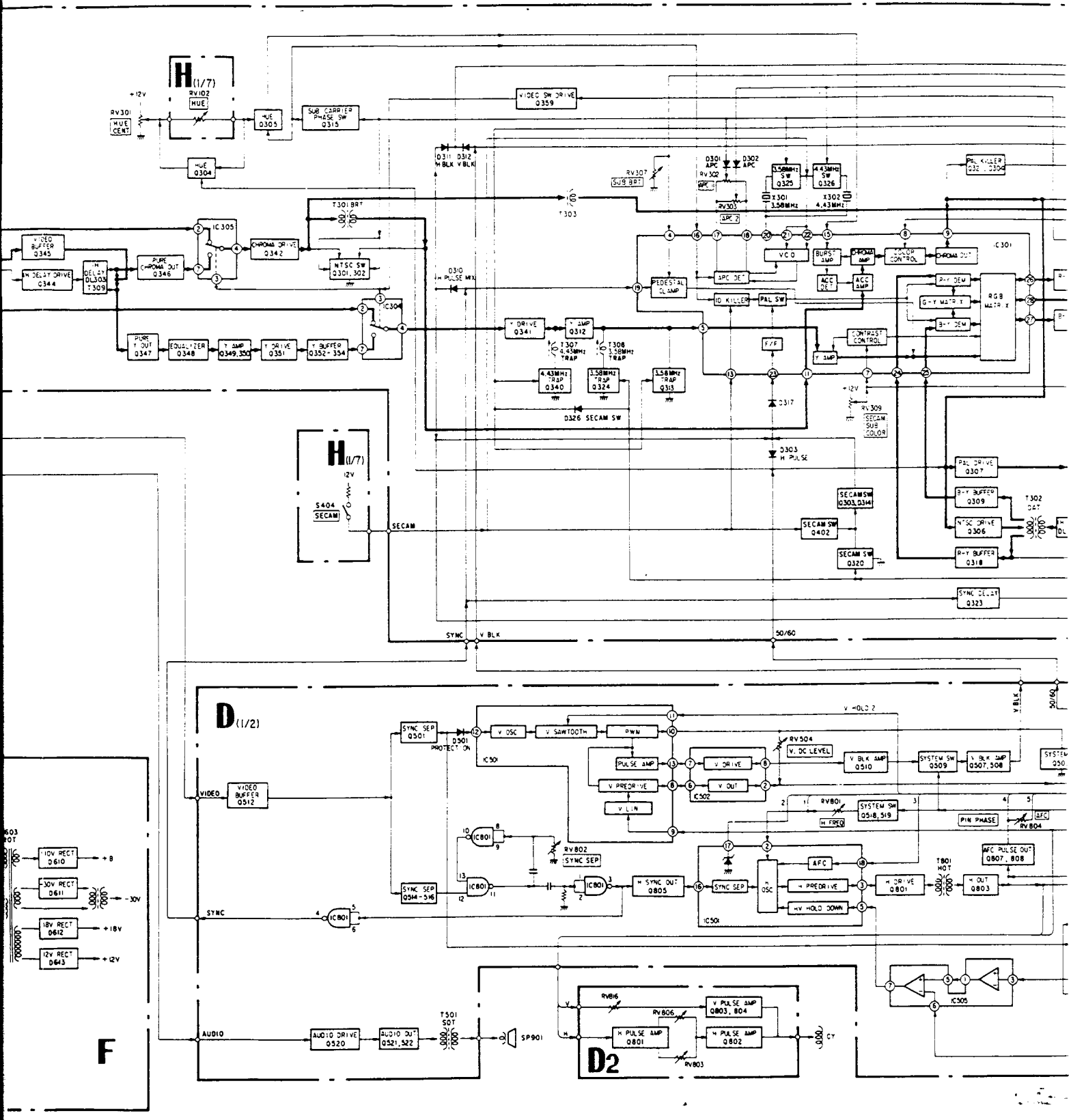


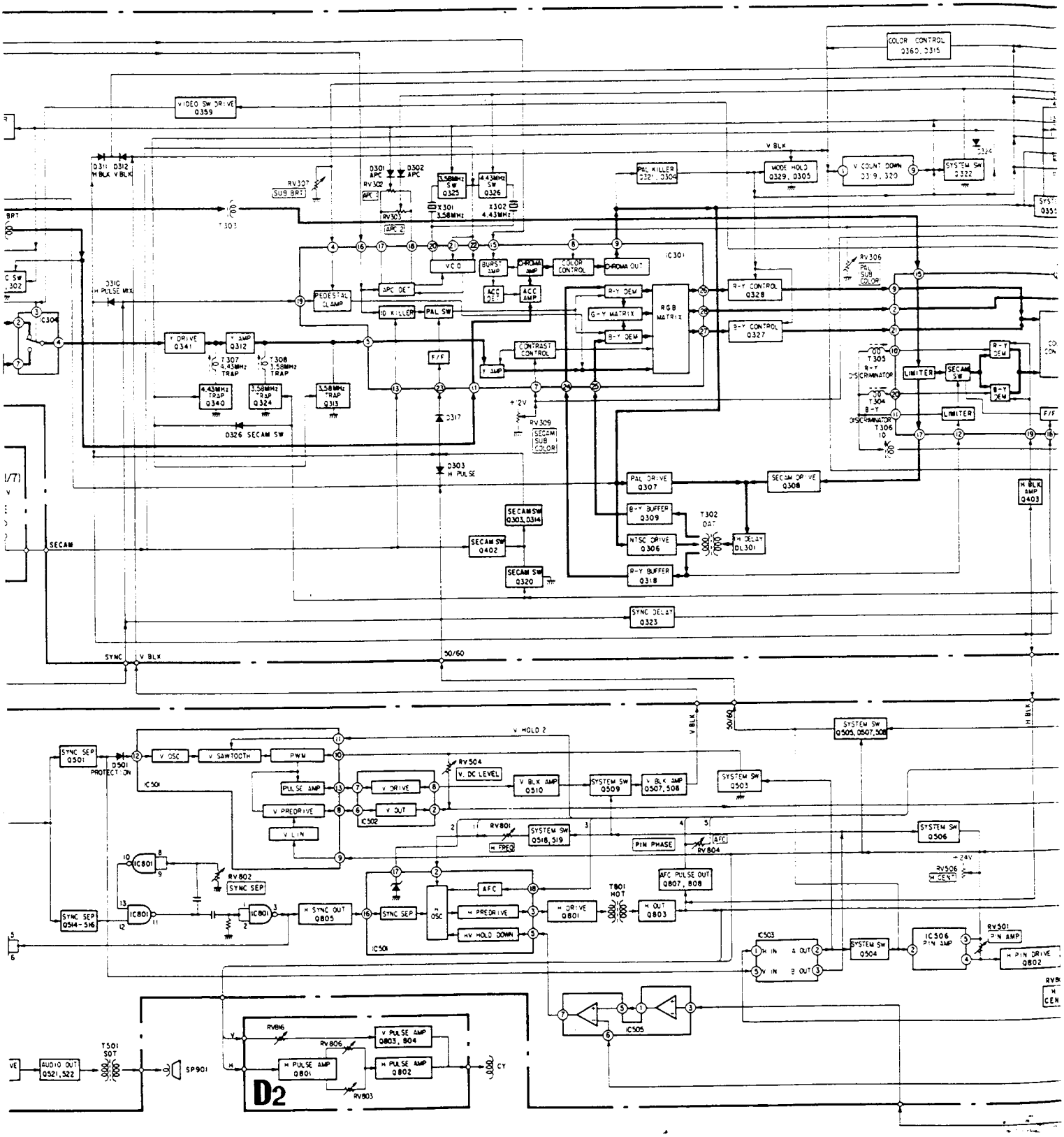
## 3-2. BLOCK DIAGRAM

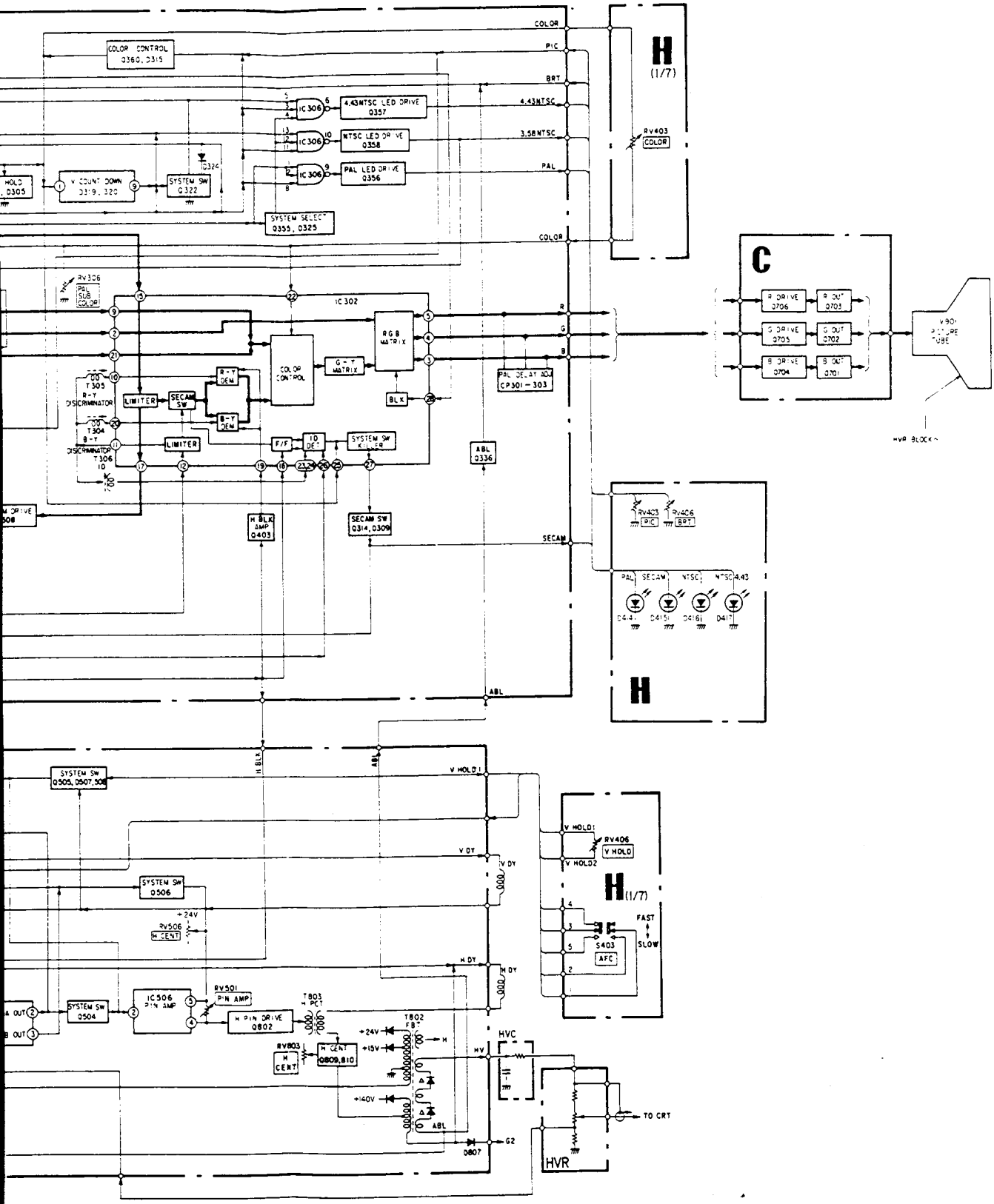



B
VTR
CN603
LINE IN
VIDEO
AUDIO
VTR VIDEO BUFFER Q607
VIDEO BUFFER Q602~604
LINE VIDEO BUFFER Q605
AUDIO BUFFER Q608
IC601(1/2)
VIDEO SELECT SW
AUDIO SELECT SW
SYNC TIP CLAMP
9dB
22dB
1.23
VIDEO OUT Q612
AF OUT Q611
SPEAKER PROTECT Q610
RESET SW Q605
8V
VIDEO OUT Q601
MONITOR AUDIO OUT Q609
CN601 MONITOR OUT
CN602 TV OUT
CN604 LINE OUT
AUDIO
VOL
VTR
LINE
IC202(1/3) DET
IC202(2/3) AFT
SOUND DRIVE
DF203
MUTE Q614
IC007
VIDEO BUFFER Q007
SYNC SEP Q008
POWER
CH UP
CH DOWN
POWER
CALL
VOL
IR
IC001
PROTECTER Q021,022
RV405 SUB VOL
VC
+12V
IND DRIVE Q401,Q409
D406
D405
D404
D408
D407
OUT 3
OUT 2
OUT 1
IN
OUT 5
OUT 4
IC401
+12V
D411
D412
D413
S409
TV
VTR
LINE
H(1/7)
220~240V AC 50Hz
POWER S901
L903
L902
IC 601
BASE AMP
CHARGE
BASE CUT
TRIGGER START/ STOP
EXT TRIGGER PREVENT
REF CURRENT EQUIV
SW CONTROL
STAND BY CONTROL
OVERLOAD DET
CONTROL LOGIC
NO CURRENT DET
STARTING CIRCUIT VOLTAGE REGULATION
REF VOL
S410 VOL UP
S412 CH UP

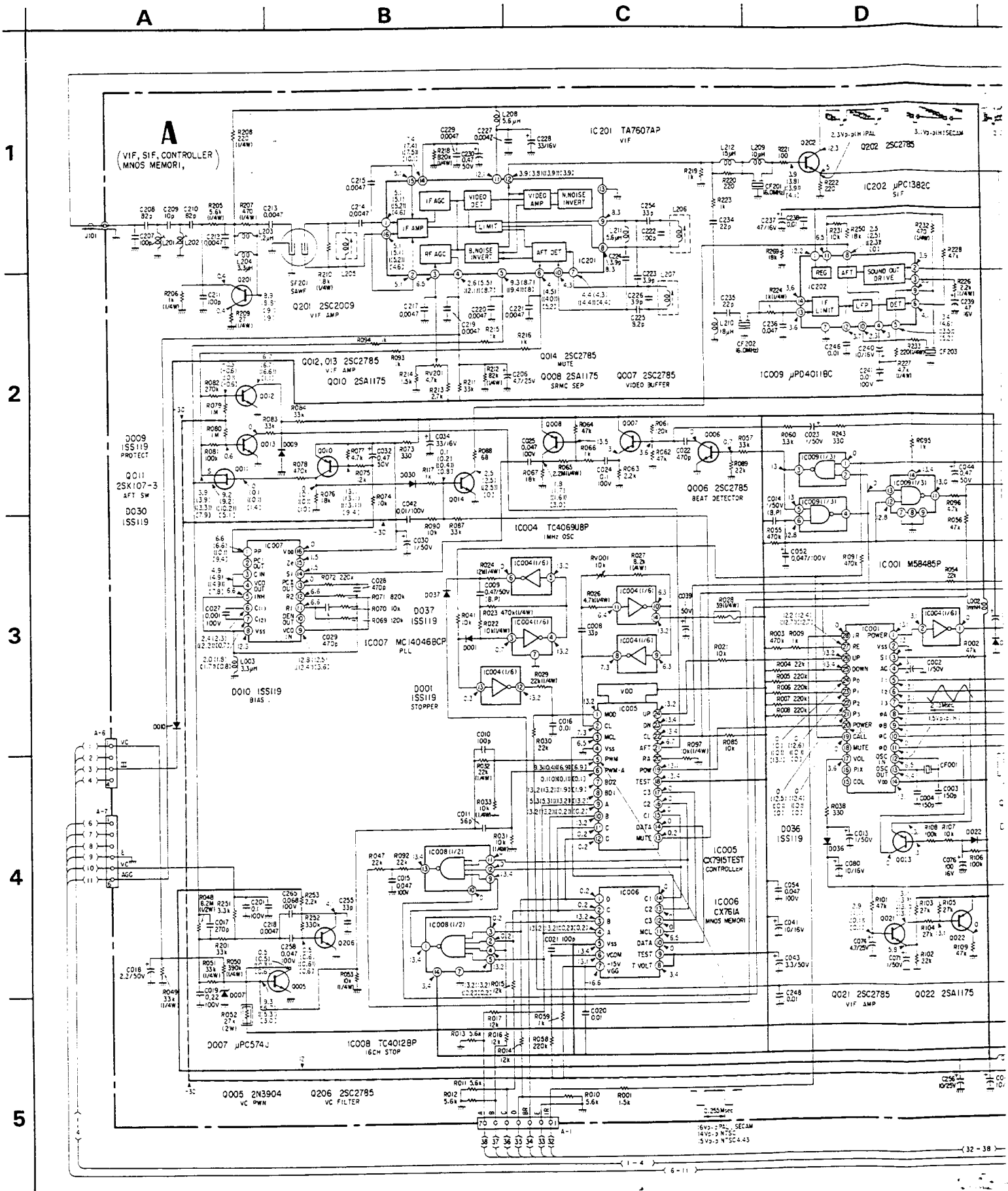

B
VTR VIDEO BUFFER Q607
VIDEO BUFFER Q602~604
LINE VIDEO BUFFER Q606
AUDIO BUFFER Q608
IC601(1/2) Y.EQ
IC601(1/2)
VIDEO SELECT SW
SYNC TIP CLAMP
9dB
22dB
AUDIO SELECT SW
Y.123
RESET SW Q605
8V
VIDEO OUT Q612
AF OUT Q611
SPEAKER PROTECT Q610
VIDEO OUT Q601
MONITOR AUDIO OUT Q609
VIDEO BUFFER Q310,311
EQUALIZER Q343
VIDEO BUFFER Q345
H DELAY DRIVE Q344
H DELAY DL303 T309
RV301 HUE CENT
SW601
CN601 MONITOR OUT
CN602 TV OUT
TV OUT
MONITOR OUT
LINE OUT
CN604 LINE OUT
AUDIO
VIDEO
VOL
VTR
LINE
H(1/7)
RV605 SUB VOL
+12V
IND. DRIVE Q401~Q409
D406
D405
D404
D408
D407
OUT 3
OUT 2
OUT 1
IN
OUT 5
OUT 4
IC401
D411
D412
D413
S409
TV
VTR
LINE
220-240V AC 50Hz
F901
POWER S901
T602 OFF
L903
L902
LINE REC Q602
STARTER Q601, D601
T603 ROT
IC 601
BASE AMP
CHARGE
BASE CUT OFF
TRIGGER START/ STOP
EXT TRIGGER PREVENT
REF CURRENT EQUIV
SW CONTROL
STAND BY CONTROL
OVERLOAD DET
CONTROL LOGIC
NO CURRENT DET
STARTING CIRCUIT VOLTAGE REGULATION
REF VOLT
POWER OUT Q602
REF RECT Q609
REF RECT Q608
10V RECT D610
30V RECT D611
18V RECT D612
12V RECT D643
+B
+18V
+12V
F

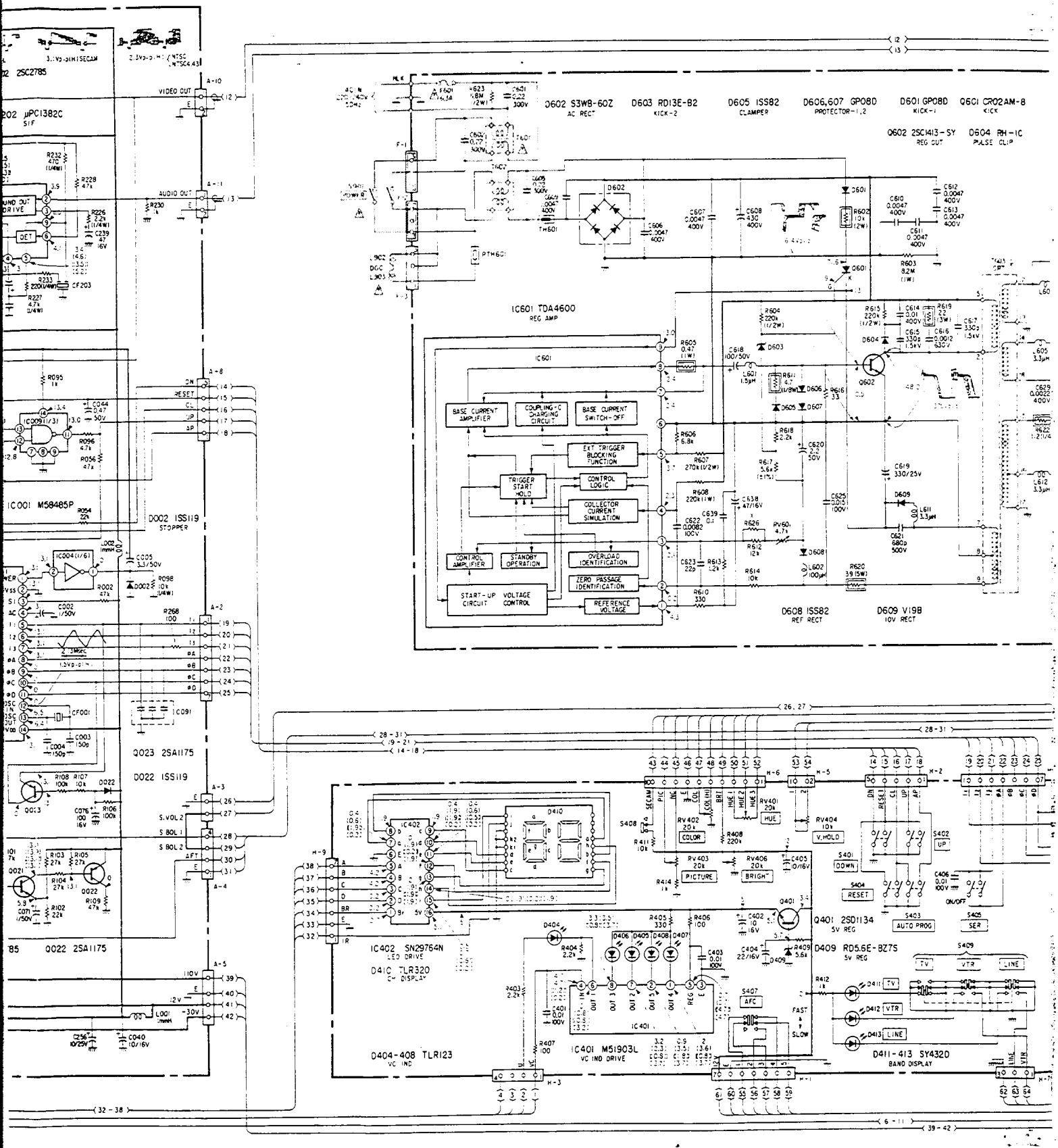

H (1/7)
HUE
SUB CARRIER PHASE SW Q315
VIDEO SW DRIVE Q359
VIDEO BUFFER Q345
H DELAY DRIVE Q344
H DELAY DL303 T309
PURE CHROMA OUT Q346
CHROMA DRIVE Q342
NTSC SW Q301, 302
PURE Y OUT Q347
EQUALIZER Q348
Y AMP Q349, 350
Y DRIVE Q351
Y BUFFER Q352 - 354
Y DRIVE Q341
Y AMP Q312
4.43MHz TRAP Q340
3.58MHz TRAP Q324
3.58MHz TRAP Q313
PEDESTAL CLAMP
APC DET
ID KILLER
PAL SW
VCO
BURST AMP
ACC DET
ACC AMP
CHROMA AMP
COLOR CONTROL
CHROMA OUT
PAL KILLER Q321, 330
R-Y DEM
G-Y MATRIX
B-Y DEM
RGB MATRIX
CONTRAST CONTROL
F/F
Y AMP
SECAM SUB COLOR
PAL DRIVE Q307
B-Y BUFFER Q309
NTSC DRIVE Q306
R-Y BUFFER Q318
SECAM SW Q303, Q314
SECAM SW Q402
SECAM SW Q320
SYNC DELAY Q323
S404 SECAM
SECAM
SYNC
V BLK
50/60
D (1/2)
SYNC SEP Q501
V OSC
V SAWTOOTH
PWM
PULSE AMP
V PREDRIVE
V LIN
V DRIVE
V OUT
V DC LEVEL
V BLK AMP Q510
SYSTEM SW Q509
V BLK AMP Q507, 508
SYSTEM SW Q518, 519
H FREQ
PIN PHASE
AFC
AFC PULSE OUT Q807, 808
VIDEO BUFFER Q512
VIDEO
SYNC
AUDIO
SYNC SEP Q514 - 516
H SYNC OUT Q805
SYNC SEP
H OSC
AFC
H PREDRIVE
H V HOLD DOWN
H DRIVE Q801
H OUT Q803
AUDIO DRIVE Q520
AUDIO OUT Q521, 522
SP901
V PULSE AMP Q803, 804
H PULSE AMP Q801
H PULSE AMP Q802
D2
F
10V RECT D610
-30V RECT D611
18V RECT D612
12V RECT D643

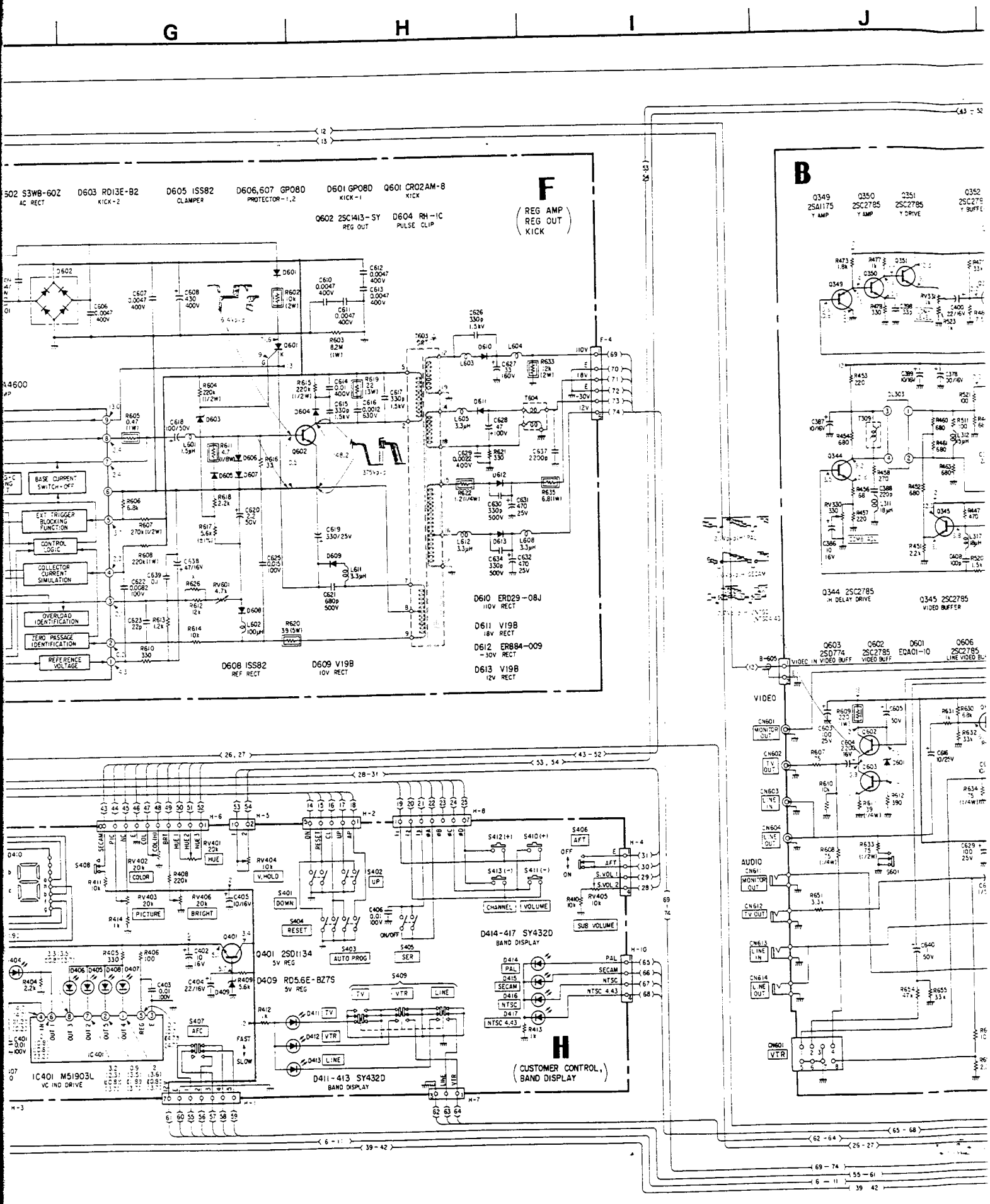

COLOR CONTROL Q360, Q315
VIDEO SW DRIVE Q359
V BLK
MODE HOLD Q329, Q305
V COUNT DOWN Q318, 320
SYSTEM SW Q322
D311 H BLK D312 V BLK
RV307 SUB BRT
D301 APC D302 APC
RV302 APC
3.58MHz SW Q325
4.43MHz SW Q326
X301 3.58MHz
X302 4.43MHz
RV303 APC 2
T303
PAL KILLER Q321, Q304
IC301
VCO
BURST AMP
CHROMA AMP
COLOR CONTROL
CHROMA OUT
APC DET
ACC DET
ACC AMP
PEDESTAL CLAMP
ID KILLER
PAL SW
R-Y DEM
G-Y MATRIX
B-Y DEM
RGB MATRIX
R-Y CONTROL Q328
B-Y CONTROL Q327
RV306 PAL SUB COLOR
D310 H PULSE MIX
IC304
Y DRIVE Q341
Y AMP Q312
T307 4.43MHz TRAP
T308 3.58MHz TRAP
4.43MHz TRAP Q340
3.58MHz TRAP Q324
3.58MHz TRAP Q313
F/F
CONTRAST CONTROL
Y AMP
D317
+12V
RV309 SECAM SUB COLOR
D326 SECAM SW
T305 R-Y DISCRIMINATOR
T304 B-Y DISCRIMINATOR
T306
LIMITER
SECAM SW
R-Y DEM
B-Y DEM
D303 H PULSE
PAL DRIVE Q307
SECAM DRIVE Q308
B-Y BUFFER Q309
NTSC DRIVE Q306
H DELAY DL301
T302 DAT
R-Y BUFFER Q318
SECAM SW Q303, Q314
SECAM SW Q402
SECAM SW Q320
SYNC DELAY Q323
H BLK AMP Q403
SECAM
SYNC
V BLK
50/60
SYNC SEP Q501
D501 PROTECTION
IC501
V OSC
V SAWTOOTH
PWM
V HOLD 2
PULSE AMP
V PREDRIVE
V LIN
V DRIVE
V OUT
IC502
RV504 V. DC LEVEL
V BLK AMP Q510
SYSTEM SW Q509
V BLK AMP Q507, 508
SYSTEM SW Q503
SYSTEM SW Q505, 507, 508
RV801 H FREQ
SYSTEM SW Q518, 519
PIN PHASE
AFC
RV804
SYSTEM SW Q506
+24V
RV506 H CENT
IC801
RV802 SYNC SEP
SYNC SEP Q514 - 516
H SYNC OUT Q805
SYNC SEP
H OSC
AFC
H PREDRIVE
H VD HOLD DOWN
H DRIVE Q801
T801 HOT
H OUT Q803
AFC PULSE OUT Q807, 808
IC503
H IN
V IN
A OUT
B OUT
SYSTEM SW Q504
IC506 PIN AMP
RV501 PIN AMP
H PIN DRIVE Q802
IC505
AUDIO OUT Q521, 522
T501 SOT
SP901
RV816
RV806
RV803
V PULSE AMP Q803, 804
H PULSE AMP Q801
H PULSE AMP Q802
D2

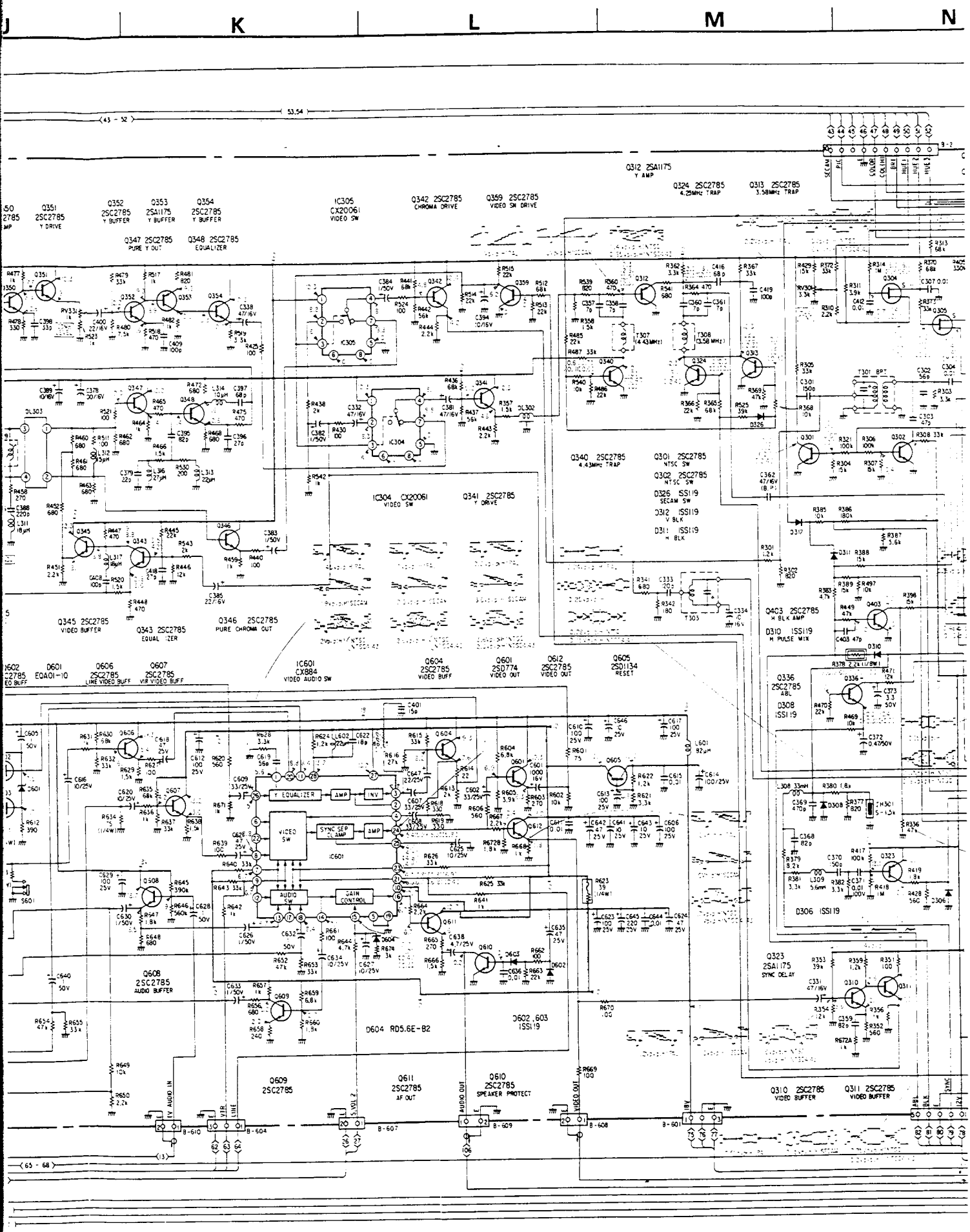

COLOR CONTROL Q360, Q315
COLOR
PIC
BRT
4.43NTSC
3.58NTSC
PAL
COLOR
H (1/7)
RV403 COLOR
IC306
4.43NTSC LED DRIVE Q357
NTSC LED DRIVE Q358
PAL LED DRIVE Q356
V COUNT DOWN Q319, 320
SYSTEM SW Q322
SYSTEM SELECT Q355, Q325
RV306 PAL SUB COLOR
IC302
RGB MATRIX
COLOR CONTROL
G-Y MATRIX
R-Y DEM
B-Y DEM
LIMITER
SECAM SW
F/F
ID DET
SYSTEM SW KILLER
BLK
PAL DELAY ADJ CP301-303
ABL Q336
H BLK AMP Q403
SECAM SW Q314, Q309
R
G
B
SECAM
ABL
C
R DRIVE Q706
G DRIVE Q705
B DRIVE Q704
R OUT Q703
G OUT Q702
B OUT Q701
HVR BLOCK
RV403 PIC
RV406 BRT
PAL SECAM NTSC NTSC4.43
D414 D415 D416 D417
H
SYSTEM SW Q505, Q507, Q508
SYSTEM SW Q506
+24V
RV506 H CENT
SYSTEM SW Q504
IC506 PIN AMP
RV501 PIN AMP
H PIN DRIVE Q802
T803 H PCT
T802 FBT
RV803 H CENT
H CENT Q809, 810
+15V
+140V
HV
HVC
TO CRT
G2
D807
HVR
V HOLD1
V HOLD2
RV406 V HOLD
H (1/7)
FAST
SLOW
S403 AFC
V DY
H DY
H BLK
ABL

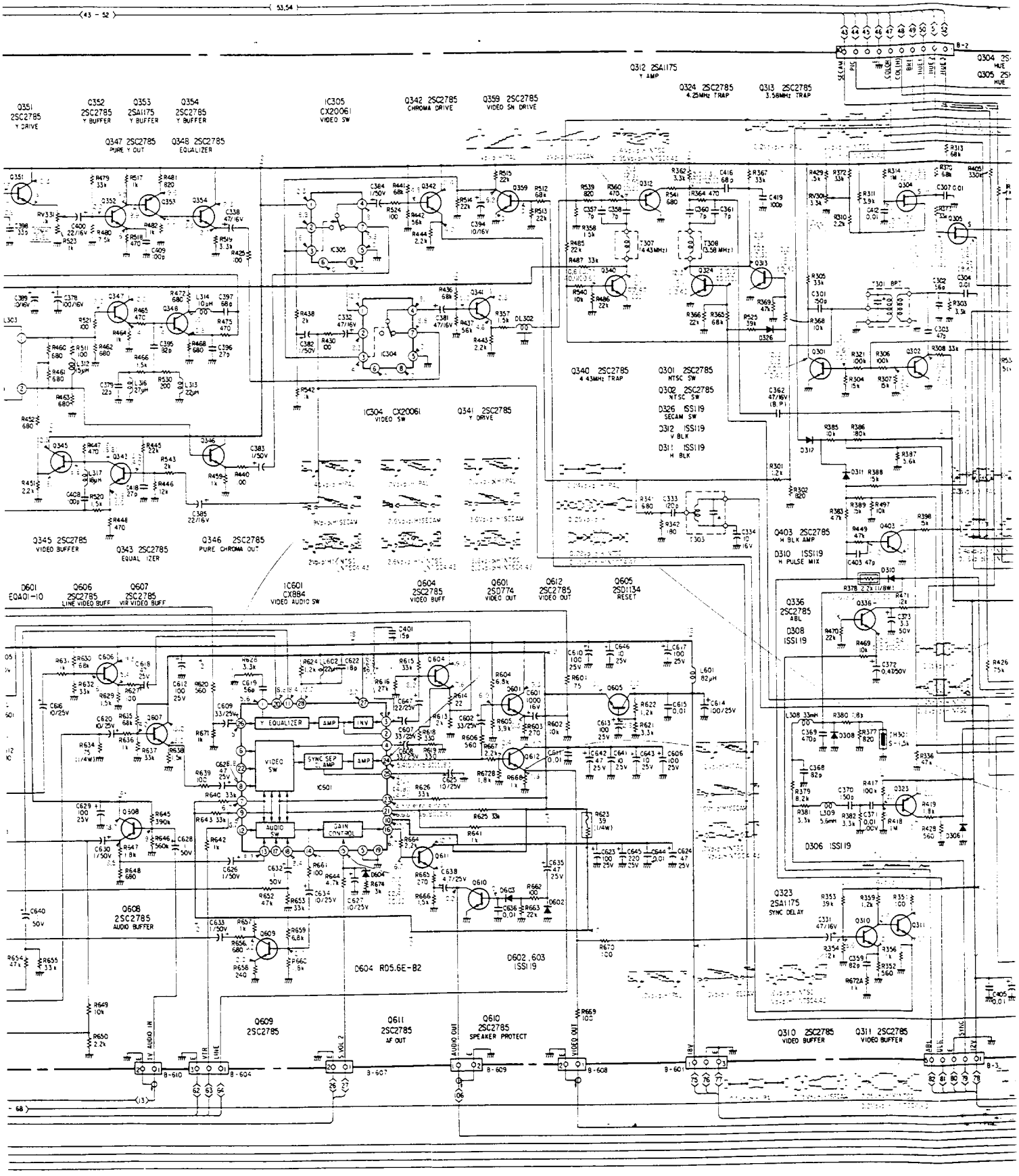
## 3-3. SCHEMATIC DIAGRAM (½)

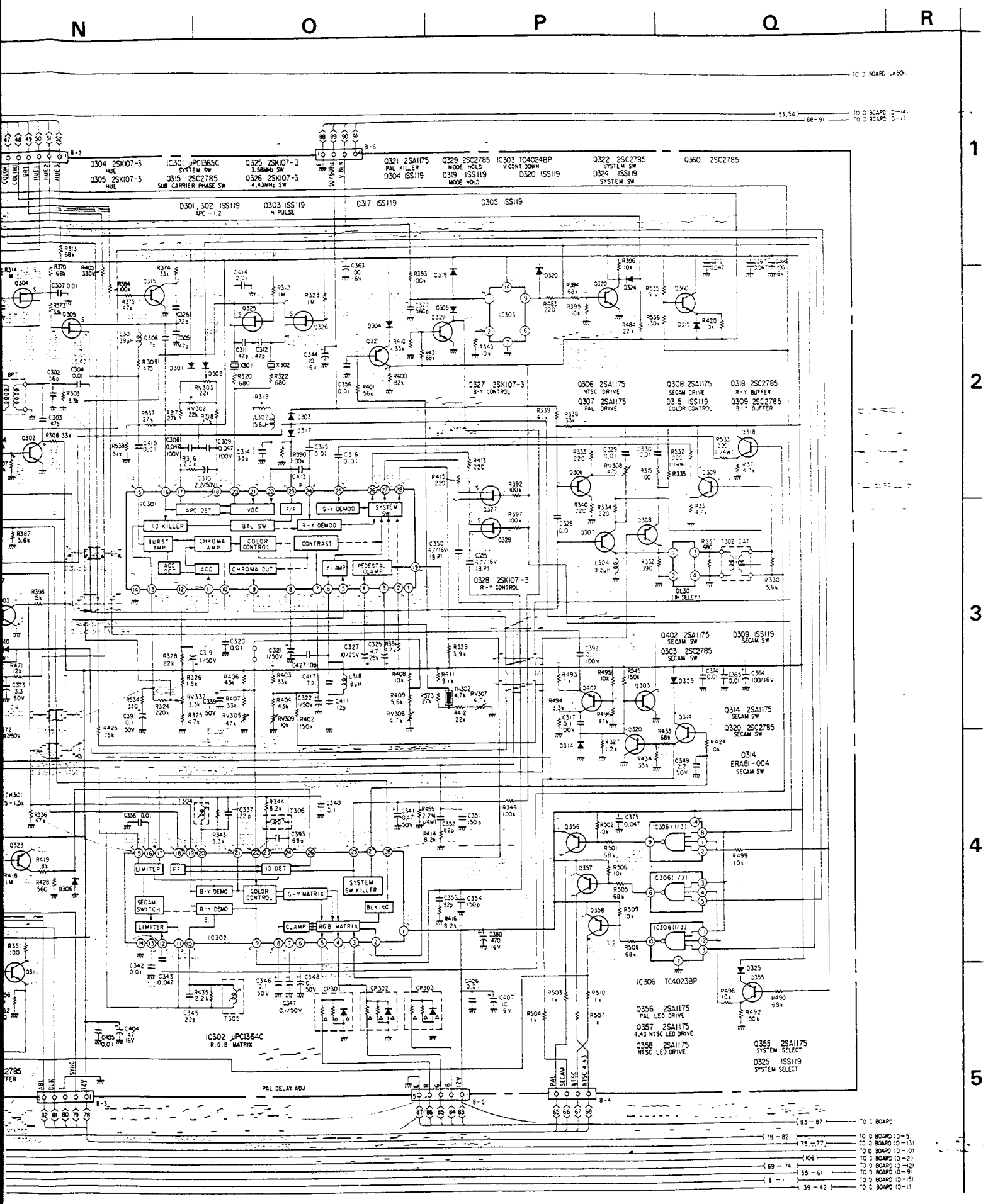



D602 S3WB-60Z
AC RECT
D603 RD13E-B2
KICK-2
D605 ISS82
CLAMPER
D606,607 GP08D
PROTECTOR-1,2
D601 GP08D
KICK-1
Q601 CR02AM-8
KICK
Q602 2SC1413-SY
REG OUT
D604 RH-IC
PULSE CLIP
IC601 TDA4600
REG AMP
BASE CURRENT AMPLIFIER
COUPLING-C CHARGING CIRCUIT
BASE CURRENT SWITCH-OFF
EXT TRIGGER BLOCKING FUNCTION
TRIGGER START HOLD
CONTROL LOGIC
COLLECTOR CURRENT SIMULATION
CONTROL AMPLIFIER
STANDBY OPERATION
OVERLOAD IDENTIFICATION
ZERO PASSAGE IDENTIFICATION
START-UP CIRCUIT
VOLTAGE CONTROL
REFERENCE VOLTAGE
D608 ISS82
REF RECT
D609 V19B
10V RECT
IC001 M58485P
D002 ISS119
STOPPER
Q023 2SA1175
D022 ISS119
Q022 2SA1175
IC091
IC402 SN29764N
LED DRIVE
D410 TLR320
CH DISPLAY
D404-408 TLR123
VC IND
IC401 M51903L
VC IND DRIVE
Q401 2SD1134
5V REG
D409 RD5.6E-BZ7S
5V REG
D411-413 SY432D
BAND DISPLAY
VIDEO OUT
AUDIO OUT
S.VOL 2
S.BOL 1
S.BOL 2
AFT
110V
12V
-30V
SECAM
PIC
INC
COL
BRT
HUE 1
HUE 2
HUE 3
COLOR
HUE
V.HOLD
PICTURE
BRIGHT
DOWN
UP
RESET
AUTO PROG
SER
ON/OFF
AFC
FAST
SLOW
TV
VTR
LINE

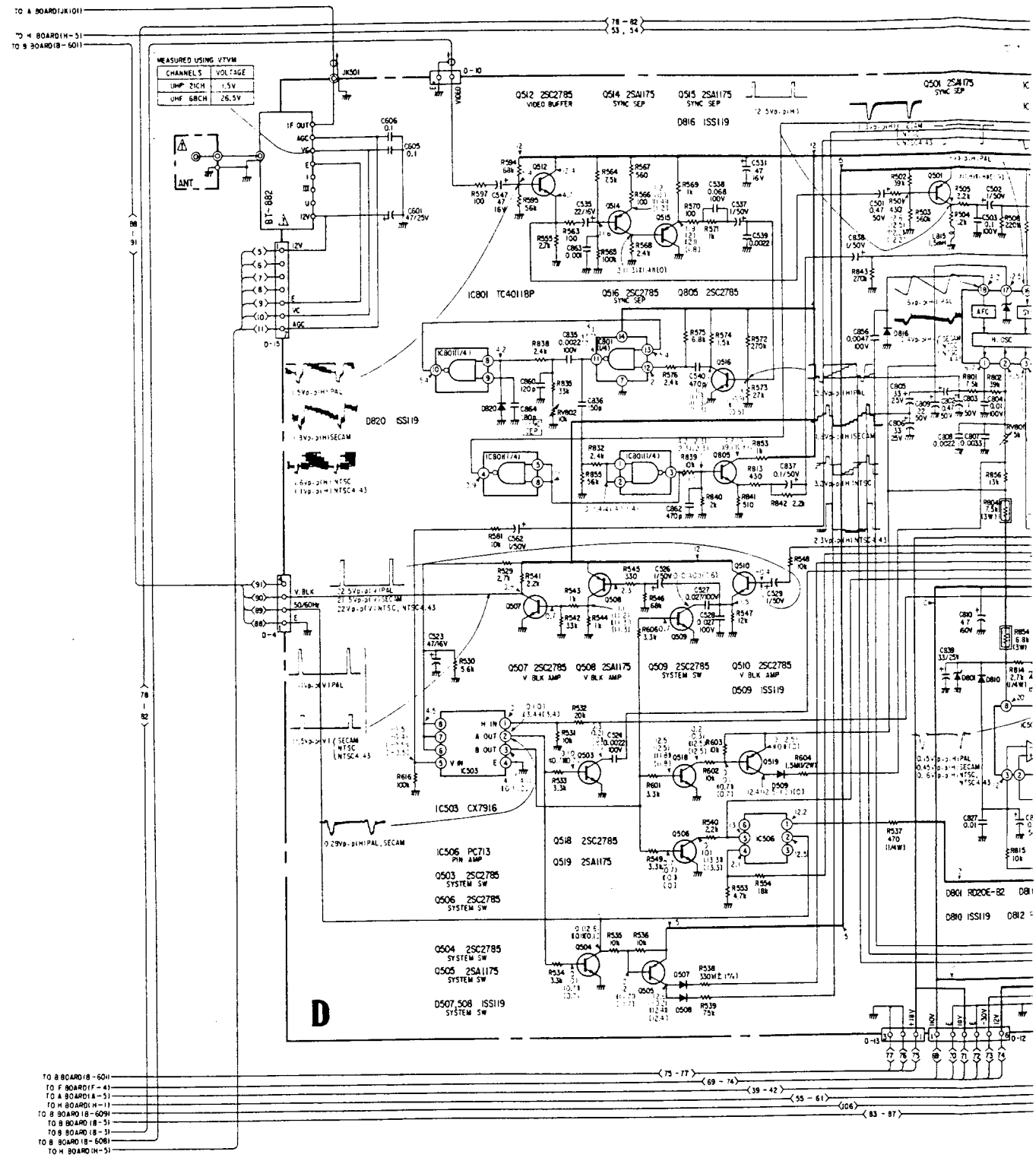

G
H
I
J
F
(REG AMP
REG OUT
KICK)
B
H
(CUSTOMER CONTROL,
BAND DISPLAY)
D602 S3WB-60Z
AC RECT
D603 RD13E-B2
KICK-2
D605 ISS82
CLAMPER
D606,607 GP08D
PROTECTOR-1,2
D601 GP08D
KICK-1
Q601 CR02AM-8
KICK
Q602 2SC1413-SY
REG OUT
D604 RH-1C
PULSE CLIP
D610 ERD29-08J
110V RECT
D611 V19B
18V RECT
D612 ER884-009
-30V RECT
D613 V19B
12V RECT
D608 ISS82
REF RECT
D609 V19B
10V RECT
Q349 2SA1175
Y AMP
Q350 2SC2785
Y AMP
Q351 2SC2785
Y DRIVE
Q344 2SC2785
H DELAY DRIVE
Q345 2SC2785
VIDEO BUFFER
Q603 2SD774
VIDEO IN VIDEO BUFF
Q602 2SC2785
VIDEO BUFF
D601 EQA01-10
Q606 2SC2785
LINE VIDEO BU
VIDEO
AUDIO
BASE CURRENT SWITCH-OFF
EXT. TRIGGER BLOCKING FUNCTION
CONTROL LOGIC
COLLECTOR CURRENT SIMULATION
OVERLOAD IDENTIFICATION
ZERO PASSAGE IDENTIFICATION
REFERENCE VOLTAGE
COLOR
PICTURE
HUE
BRIGHT
V.HOLD
UP
DOWN
RESET
AUTO PROG
ON/OFF
SER
AFT
S.VOL 1
S.VOL 2
CHANNEL
VOLUME
SUB VOLUME
AFC
FAST
SLOW
TV
VTR
LINE
PAL
SECAM
NTSC
NTSC 4.43
Q401 2SD1134
5V REG
D409 RD5.6E-BZ7S
5V REG
IC401 M51903L
VC IND DRIVE
D414-417 SY432D
BAND DISPLAY
D411-413 SY432D
BAND DISPLAY
CN601 MONITOR OUT
CN602 TV OUT
CN603 LINE IN
CN604 LINE OUT
CN611 MONITOR OUT
CN612 TV OUT
CN613 LINE IN
CN614 LINE OUT
CN601 VTR

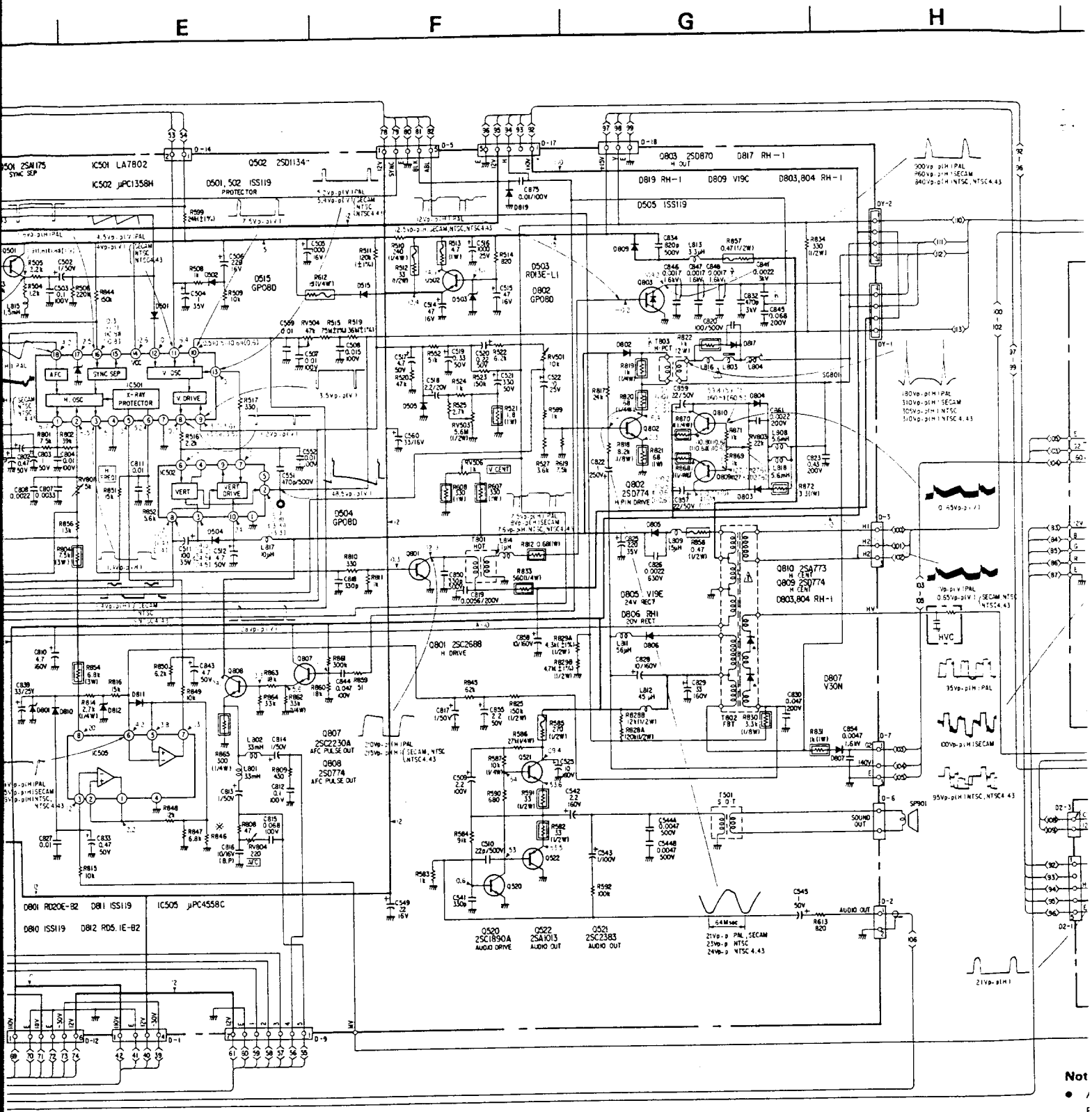

J
K
L
M
N
Q312 2SA1175
Y AMP
Q324 2SC2785
4.25MHz TRAP
Q313 2SC2785
3.58MHz TRAP
Q351
2SC2785
Y DRIVE
Q352
2SC2785
Y BUFFER
Q353
2SA1175
Y BUFFER
Q354
2SC2785
Y BUFFER
IC305
CX20061
VIDEO SW
Q342 2SC2785
CHROMA DRIVE
Q359 2SC2785
VIDEO SW DRIVE
Q347 2SC2785
PURE Y OUT
Q348 2SC2785
EQUALIZER
IC304 CX20061
VIDEO SW
Q341 2SC2785
Y DRIVE
Q340 2SC2785
4.43MHz TRAP
Q301 2SC2785
NTSC SW
Q302 2SC2785
NTSC SW
Q326 ISS119
SECAM SW
D312 ISS119
V BLK
D311 ISS119
H BLK
Q345 2SC2785
VIDEO BUFFER
Q346 2SC2785
PURE CHROMA OUT
Q343 2SC2785
EQUALIZER
Q403 2SC2785
H BLK AMP
D310 ISS119
H PULSE MIX
Q336
2SC2785
ABL
D308
ISS119
IC601
CX884
VIDEO AUDIO SW
Q604
2SC2785
VIDEO BUFF
Q601
2SD774
VIDEO OUT
Q612
2SC2785
VIDEO OUT
Q605
2SD1134
RESET
D602
EQ BUFF
D601
EQA01-10
Q606
2SC2785
LINE VIDEO BUFF
Q607
2SC2785
VIR VIDEO BUFF
Y EQUALIZER
AMP
INV
VIDEO SW
SYNC SEP CLAMP
3MP
AUDIO SW
GAIN CONTROL
Q608
2SC2785
AUDIO BUFFER
Q609
2SC2785
Q611
2SC2785
AF OUT
Q610
2SC2785
SPEAKER PROTECT
Q323
2SA1175
SYNC DELAY
Q310 2SC2785
VIDEO BUFFER
Q311 2SC2785
VIDEO BUFFER
D604 RD5.6E-B2
D602,603
ISS119
D306 ISS119
TV AUDIO IN
VIR
LINE
SYSTEM 2
AUDIO OUT
VIDEO OUT
B-610
B-604
B-607
B-609
B-608
B-601
B-2
SECAM
PAL
SOLOR
COLOR
BAL
HUE1
HUE2
HUE3
SYNC
BLK
(43 - 52)
53,54
(65 - 68)


Q351 2SC2785 Y DRIVE
Q352 2SC2785 Y BUFFER
Q353 2SA1175 Y BUFFER
Q354 2SC2785 Y BUFFER
IC305 CX20061 VIDEO SW
Q342 2SC2785 CHROMA DRIVE
Q359 2SC2785 VIDEO SW DRIVE
Q312 2SA1175 Y AMP
Q324 2SC2785 4.25MHz TRAP
Q313 2SC2785 3.58MHz TRAP
Q347 2SC2785 PURE Y OUT
Q348 2SC2785 EQUALIZER
Q340 2SC2785 4.43MHz TRAP
Q301 2SC2785 NTSC SW
Q302 2SC2785 NTSC SW
D326 1SS119 SECAM SW
D312 1SS119 V BLK
D311 1SS119 H BLK
IC304 CX20061 VIDEO SW
Q341 2SC2785 Y DRIVE
Q345 2SC2785 VIDEO BUFFER
Q343 2SC2785 EQUAL IZER
Q346 2SC2785 PURE CHROMA OUT
Q403 2SC2785 H BLK AMP
D310 1SS119 H PULSE MIX
D601 EQA01-10
Q606 2SC2785 LINE VIDEO BUFF
Q607 2SC2785 VIR VIDEO BUFF
IC601 CX884 VIDEO AUDIO SW
Q604 2SC2785 VIDEO BUFF
Q601 2SD774 VIDEO OUT
Q612 2SC2785 VIDEO OUT
Q605 2SD1134 RESET
Q336 2SC2785 ABL
D308 1SS119
Y EQUALIZER
AMP
INV
VIDEO SW
SYNC SEP AMP
IC501
AUDIO SW
Q31N CONTROL
Q323 2SA1175 SYNC DELAY
Q608 2SC2785 AUDIO BUFFER
Q609 2SC2785
Q611 2SC2785 AF OUT
Q610 2SC2785 SPEAKER PROTECT
D604 RD5.6E-B2
D602,603 1SS119
D306 1SS119
Q310 2SC2785 VIDEO BUFFER
Q311 2SC2785 VIDEO BUFFER
TV AUDIO IN
VTR
LINE
S VOL 2
AUDIO OUT
VIDEO OUT
18V
ABL
SYNC
12V

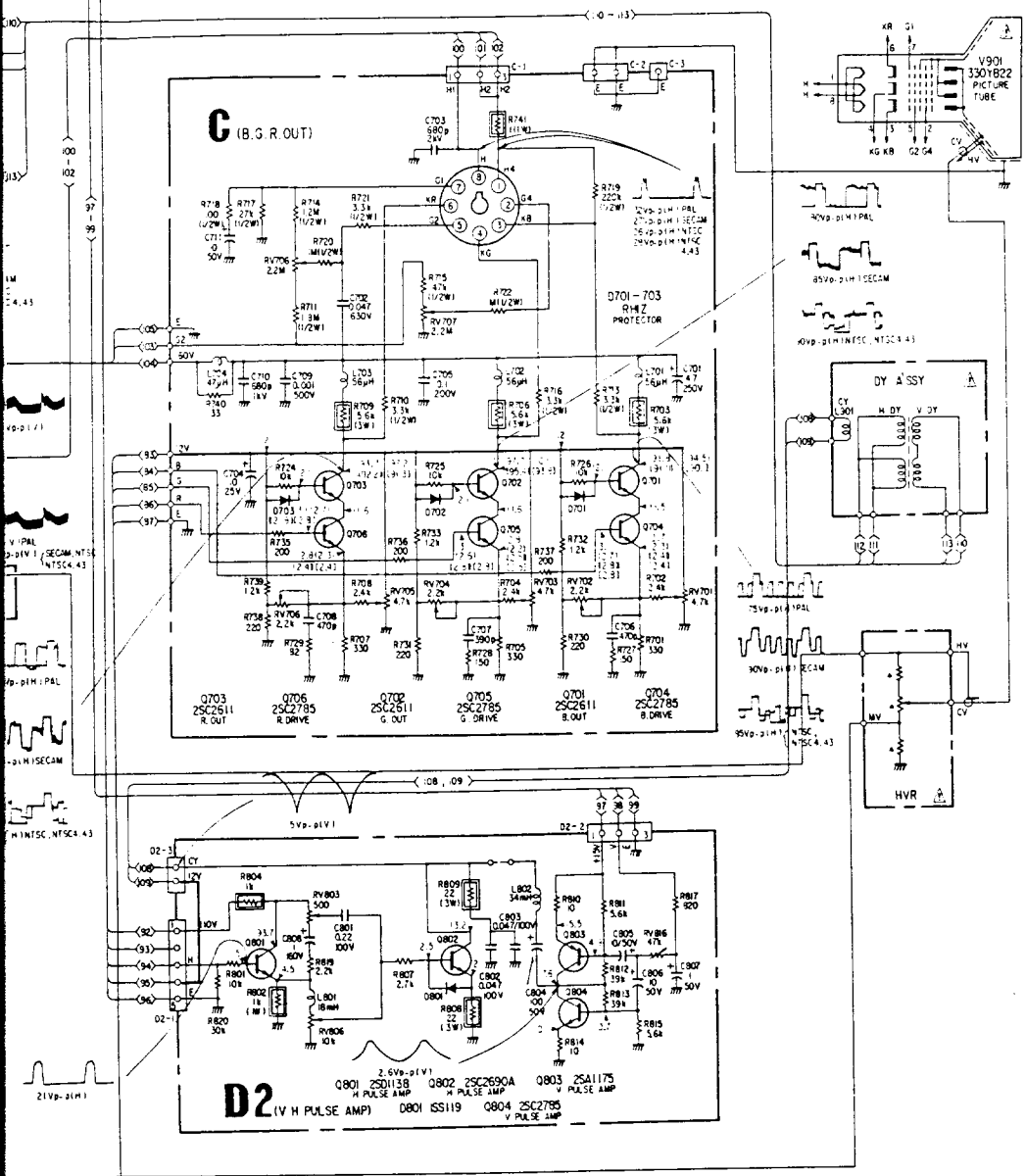

N
O
P
Q
R
1
2
3
4
5
IC301 μPC1365C SYSTEM SW
IC303 TC4024BP V CONT DOWN
IC302 μPC1364C R.G.B MATRIX
IC306 TC4023BP
APC DET
VOC
F/F
G-Y DEMOD
SYSTEM SW
ID KILLER
BAL SW
R-Y DEMOD
BURST AMP
CHROMA AMP
COLOR CONTROL
CONTRAST
ACC DET
ACC
CHROMA OUT
Y-AMP
PEDESTAL CLAMP
LIMITER
FF
ID DET
B-Y DEMO
COLOR CONTROL
G-Y MATRIX
SYSTEM SW KILLER
SECAM SWITCH
R-Y DEMO
BLKING
CLAMP
RGB MATRIX
PAL DELAY ADJ
Q304 2SK107-3 HUE
Q305 2SK107-3 HUE
Q315 2SC2785 SUB CARRIER PHASE SW
Q325 2SK107-3 3.58MHz SW
Q326 2SK107-3 4.43MHz SW
Q321 2SA1175 PAL KILLER
D304 ISS119
Q329 2SC2785 MODE HOLD
D319 ISS119 MODE HOLD
D320 ISS119
Q322 2SC2785 SYSTEM SW
Q324 ISS119 SYSTEM SW
Q360 2SC2785
D301, 302 ISS119 APC - 1, 2
D303 ISS119 H PULSE
D317 ISS119
D305 ISS119
Q327 2SK107-3 R-Y CONTROL
Q306 2SA1175 NTSC DRIVE
Q307 2SA1175 PAL DRIVE
Q308 2SA1175 SECAM DRIVE
D315 ISS119 COLOR CONTROL
Q318 2SC2785 R-Y BUFFER
D309 2SC2785 B-Y BUFFER
Q328 2SK107-3 R-Y CONTROL
DL301 (1H DELEY)
Q402 2SA1175 SECAM SW
Q303 2SC2785 SECAM SW
D309 ISS119 SECAM SW
Q314 2SA1175 SECAM SW
Q320 2SC2785 SECAM SW
D314 ERA81-004 SECAM SW
Q356 2SA1175 PAL LED DRIVE
Q357 2SA1175 4.43 NTSC LED DRIVE
Q358 2SA1175 NTSC LED DRIVE
Q355 2SA1175 SYSTEM SELECT
D325 ISS119 SYSTEM SELECT
TO D BOARD
TO C BOARD

## SCHEMATIC DIAGRAM (½)






**Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.**




**Note:**

- All capacitors are in μF unless otherwise noted. p: μμF 50WV or less are not indicated except for electrolytics.
- Resistors on the B, F, A, H and D boards are in ohms, 1/6W unless otherwise noted.
  kΩ : 1000Ω, MΩ : 1000kΩ
- Resistors on the C and D2 boards are in ohms, ¼W unless otherwise noted.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.
- Δ : internal component.
- Voltages are dc with respect to ground unless otherwise noted.
- All voltage are in V.
- Readings are taken with a 10MΩ digital multimeter.
- : adjustment for repair.
- : B+ bus.
- : B− bus.
- Readings are taken with a color-bar signal input.
- no mark : with PAL color-bar signal received
  ( ) : with SECAM color-bar signal received
  (( )) : with NTSC color-bar signal received
  [ ] : with NTSC4.43 color-bar signal received
- ※ : selected to yield optimum performance

mark with

[VIF, SIF, CONTROLLER, MNOS MEMORY]

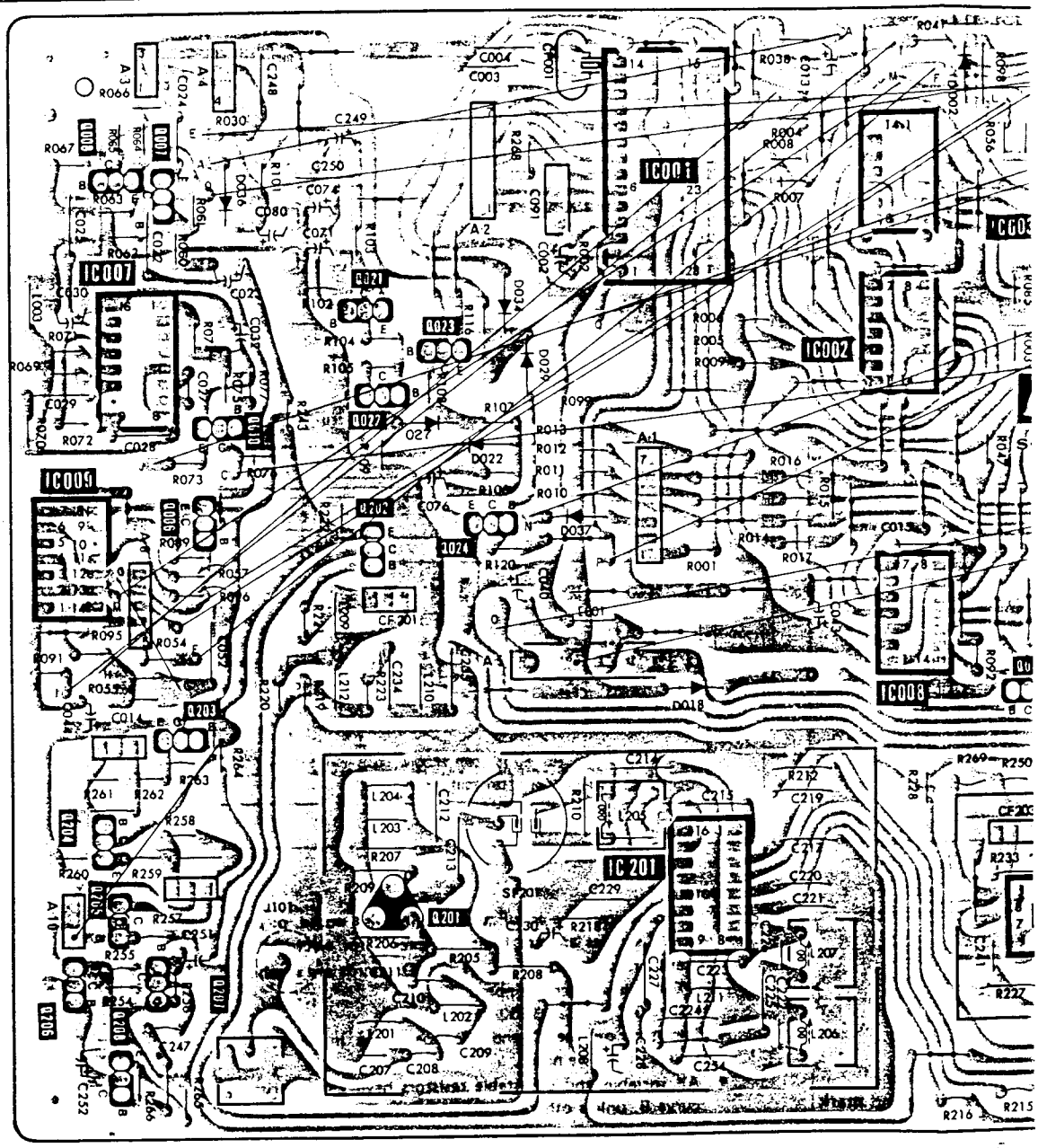
## 3-4. PRINTED WIRING BOARDS — *Conductor Side* —

A B C D

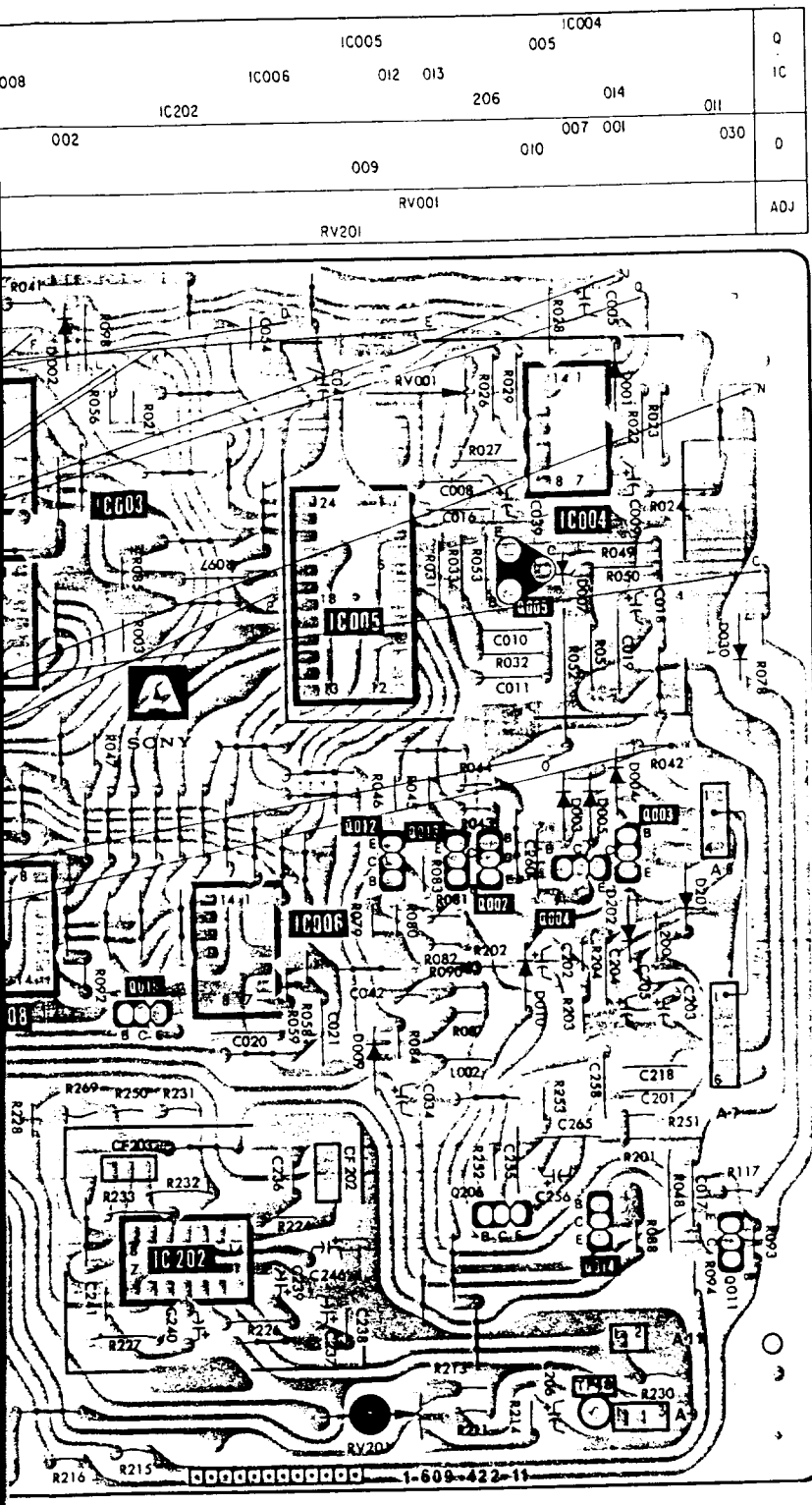
1 2 3 4 5

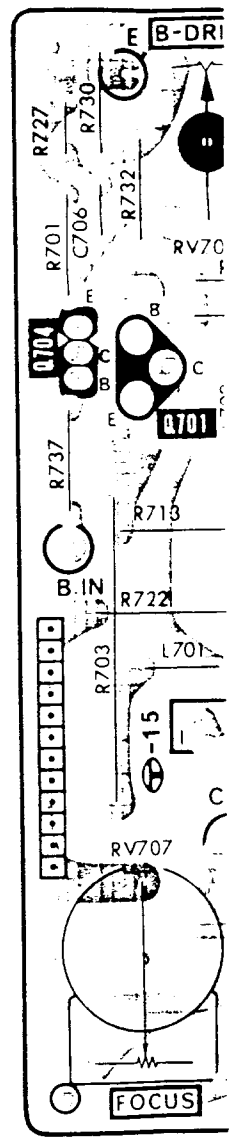
— A Board —

| | |
|---|---|
| Q · IC | 008 IC009 IC007 007 006 010 021 022 202 201 023 IC001 IC008 IC201 |
| D | 036 022 034 029 037 018 002 |
| ADJ | |



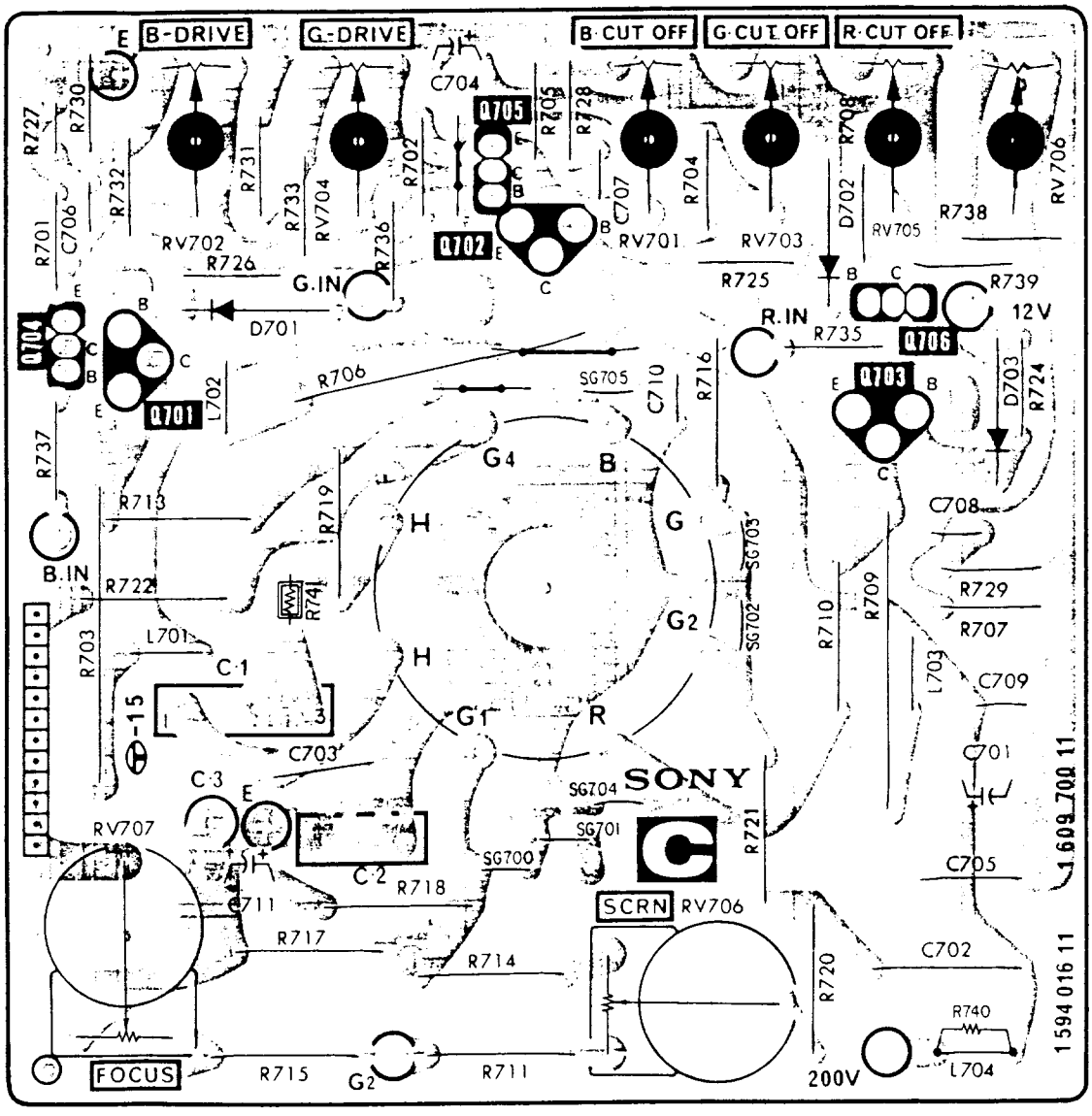
— C Board —


IC005
IC004
005
IC006
012
013
206
014
011
IC202
007
001
030
002
010
009
RV001
RV201
IC003
IC004
IC005
IC006
IC202
RV001
RV201
SONY
1-609-422-11


B-DRI
R727
R730
R732
R701
C706
RV70
Q704
Q701
R737
R713
B.IN
R722
L701
R703
RV707
FOCUS

H I J K

— C Board —


B-DRIVE
G-DRIVE
B CUT OFF
G CUT OFF
R CUT OFF
G.IN
R.IN
B.IN
12V
200V
FOCUS
SCRN
SONY
Q701
Q702
Q703
Q704
Q705
Q706
RV701
RV702
RV703
RV705
RV706
RV707
C704
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R736
R737
R738
R739
R740
R741
D701
D702
D703
L701
L702
L703
L704
SG700
SG701
SG702
SG703
SG704
SG705
1 609 700 11
1 594 016 11

A B C D

1 2 3 4 5

– B Board –

| | | |

B B

D E F G

| | | |

[ H·V REG
[ SOUND, H OUT ] D D

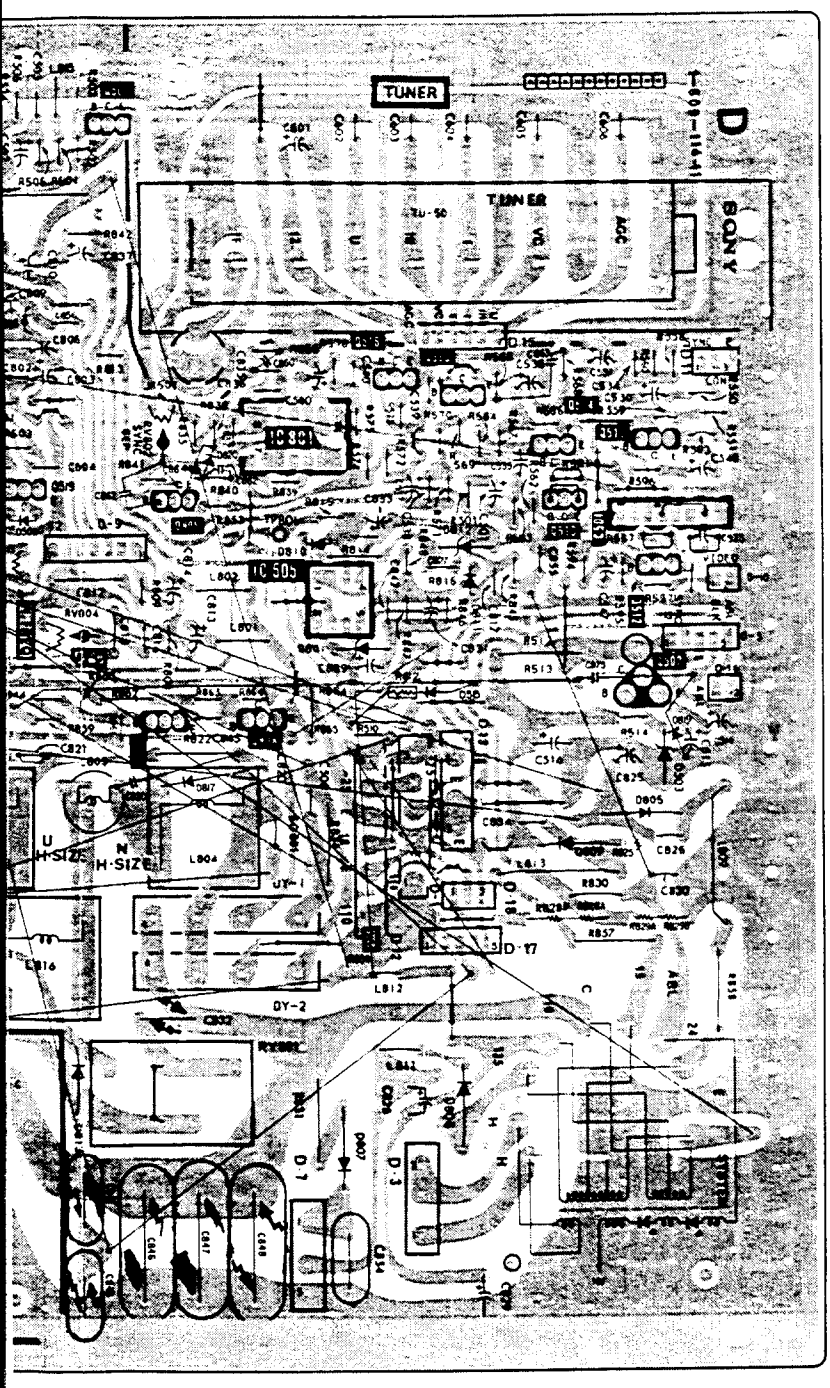
| | A | B | C | |
|---|---|---|---|---|
| 1 | — D Board — | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |

| | | | |

D

| D | E | F |
|---|---|---|

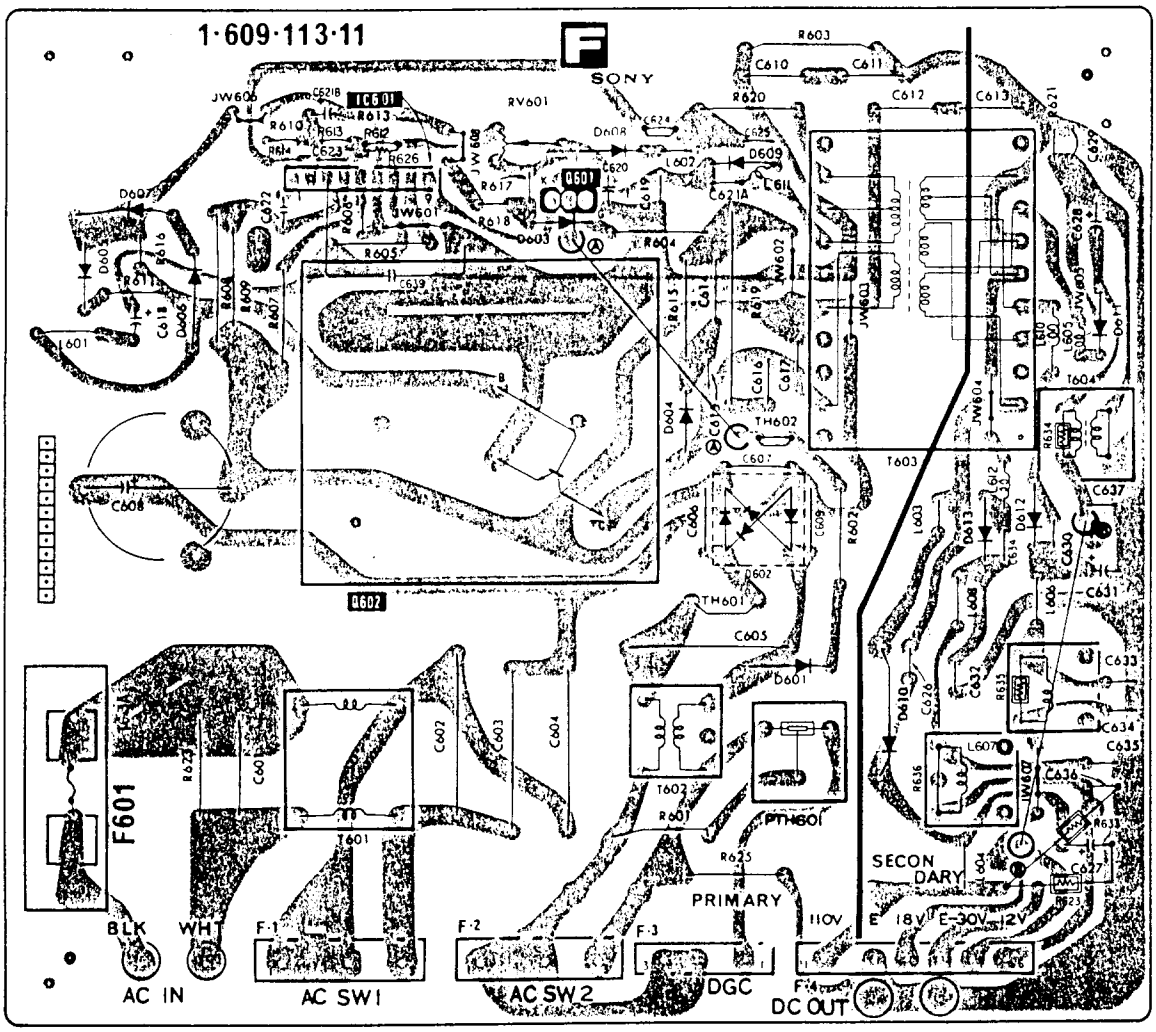
| | |
|---|---|
| 501 805 807 IC801 IC505 808 516 515 514 513 512 502 | Q , IC |
| 816 509 820 817 810 801 807 515 812 811 806 809 805 503, 819 | D |
| RV 802 | ADJ |
| 801 | TP |



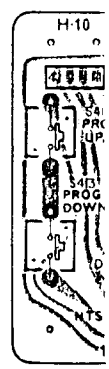
A B C D

– F Board –

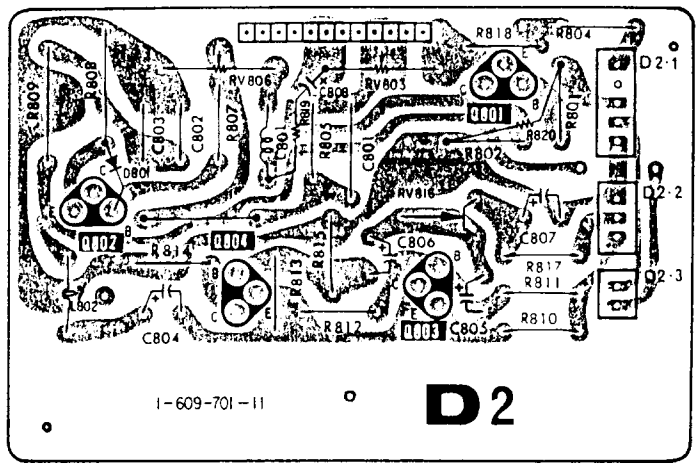
| IC, Q | IC601 602 601 | IC, Q |
|---|---|---|
| D | 605 607 606 603 608 604 609 602 601 610 613,612 611 | D |
| ADJ | RV601 | ADJ |



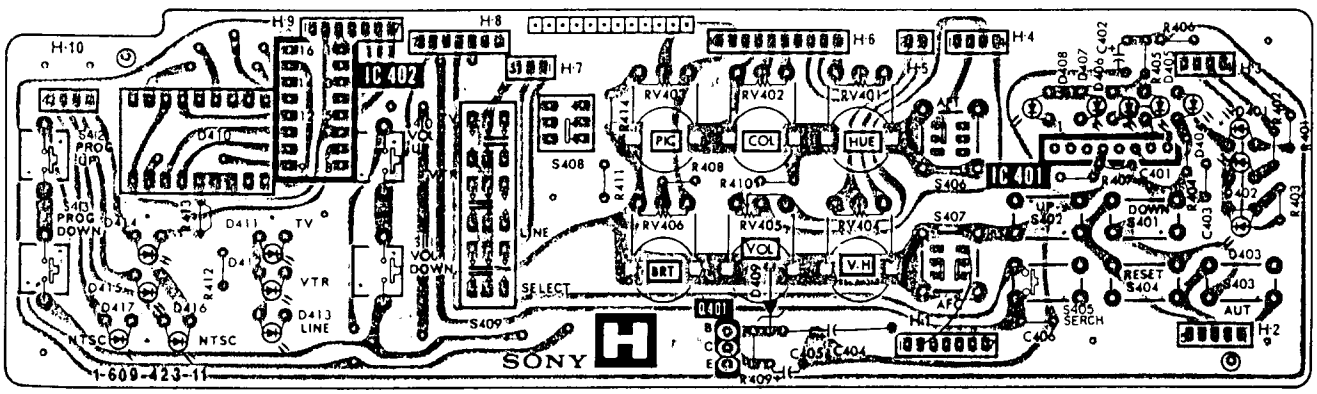

– H Boar



— D2 Board —

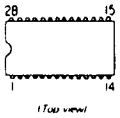



— H Board —

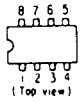


## 3-5. SEMICONDUCTORS

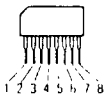
CX884
μPC1364C
μPC1365C



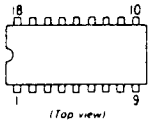

CX7916
μPC4558C



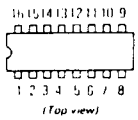

CX20061
M51903L



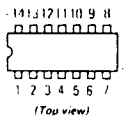

LA7802



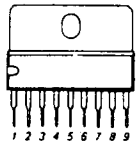

SN29764N




TC4011BP
TC4023BP
TC4024BP
μPD4024BC

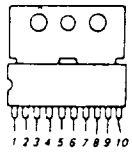



TDA4600

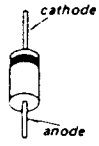



μPC574J

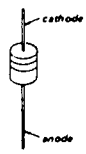
μPC1358H




1N4148H
1S1555
1S2076
1S2473
1SS82
1SS133
EM-1Z
RD5.1EB2
RD5.6EB2
RD5.6EBZ7S
RD13EB2
RD13EB2Z7
RD13EL1
RD20EB2
US1035

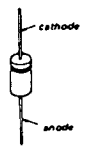



1SS119
1SS148

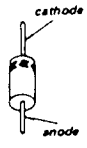



CR02AM8

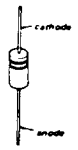
EQA01-10
ERA81-004
ERB12-02RK
RGP10J



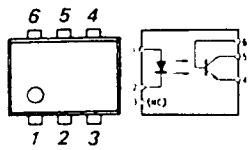

ERD29-08J




GP08D
RH-1
RH-1C
RH-1Z
SIB01-02

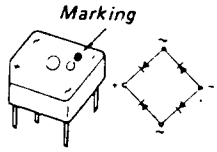



PC713

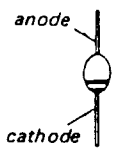



RB406NH

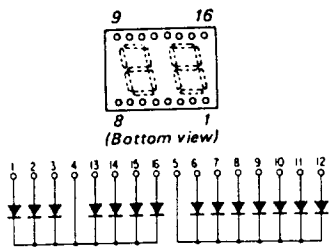
S3WB60S
S3WB60Z
Marking



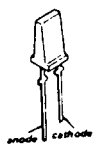
V19B
V19C
V19E
V30N



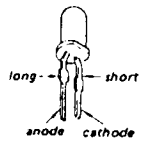

SL1222



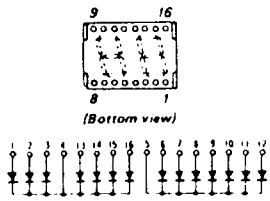

SY432D




TLG123A
TLR123
TLY123




TLR320

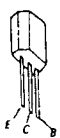



2N3904

2SA733
2SA1015
2SC945
2SC1815
2SC1890
2SC1890A
JC501

2SA1013
2SC1475
2SC2230A
2SC2383
2SD789

2SA1026

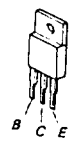



2SA1048
2SA1115
2SC2458
2SC2603

2SA1175
2SA1175F
2SC2785

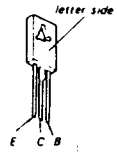
2SB734
2SD774

2SC1413SY
2SD1134
2SD1138

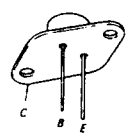



2SC2009

2SC2611
2SC2688
2SC2690A




2SD870

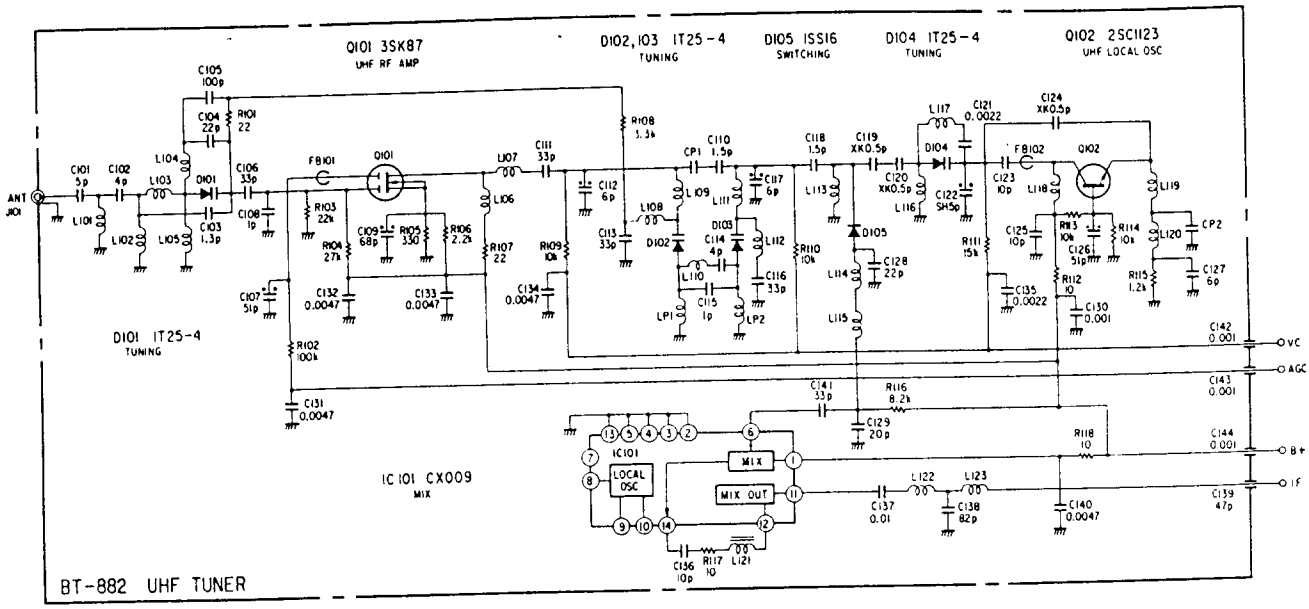



2SK23A

2SK107
2SK1073

## 3-6. TUNER SCHEMATIC DIAGRAM

### – UHF TUNER BT-882 –

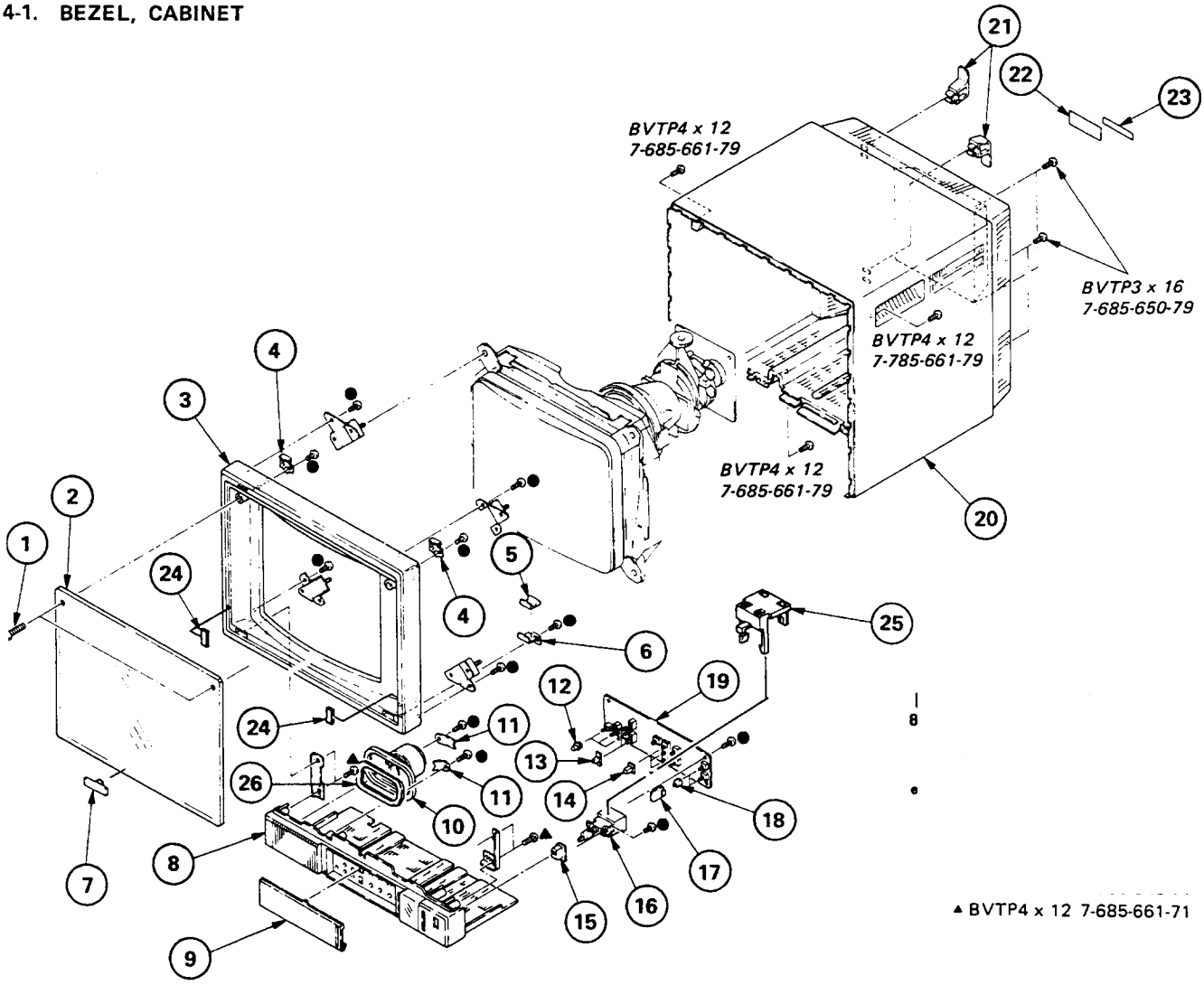


# SECTION 4
# EXPLODED VIEWS

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

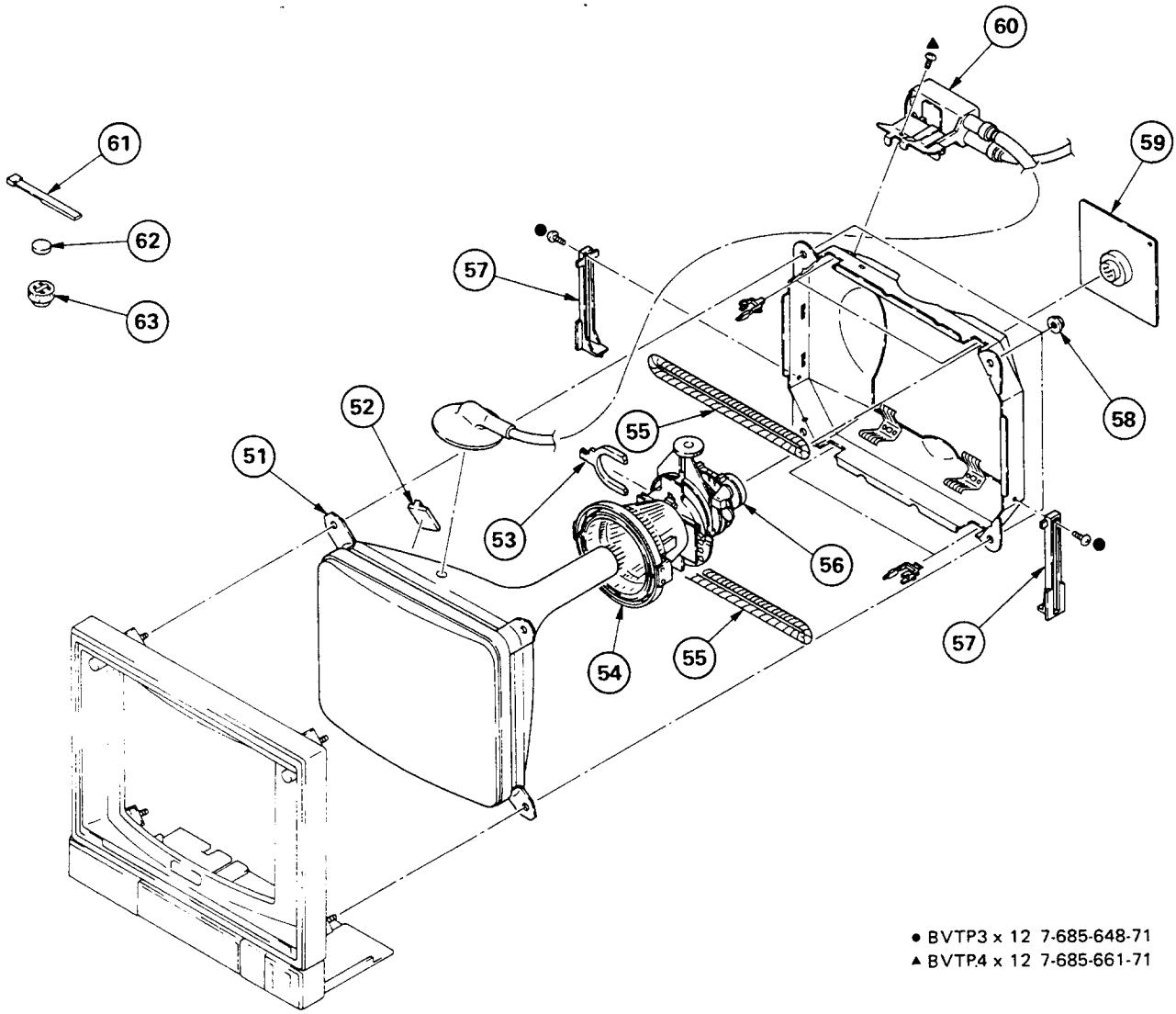
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

## 4-1. BEZEL, CABINET




| No. | Part No | Description | Remark |
|---|---|---|---|
| 1 | 4-336-851-51 | SCREW, ORNAMENTAL | |
| 2 | 4-364-717-00 | FILTER | |
| 3 | X-4364-702-0 | BEZEL ASSY | 4,5,6 |
| 4 | ♦:4-341-905-00 | NUT, PLATE (A) | |
| 5 | 4-336-808-00 | PROTECTOR, FILTER | |
| 6 | 4-364-701-00 | HOLDER, FILTER | |
| 7 | ♦:X-3701-079-0 | EMBLEM (SMALL) ASSY, SONY | |
| 8 | X-4364-701-4 | PANEL ASSY, CONTROL | 9 |
| 9 | X-4364-704-3 | DOOR ASSY | |
| 10 | 1-503-109-00 | SPEAKER | |
| 11 | ♦:4-321-611-00 | CLAW, RETAINING, SPEAKER | |
| 12 | 4-333-704-00 | BUTTON, CONTROL | |
| 13 | 4-364-730-00 | KNOB, SLIDE | |
| 14 | 4-349-408-00 | PUSH BUTTON | |
| 15 | 4-364-710-00 | BUTTON, POWER | |
| 16 | ⚠ 1-553-225-12 | SWITCH, PUSH | |
| 17 | 4-364-703-00 | BUTTON | |
| 18 | ♦:4-364-708-00 | SHAFT, BUTTON | |
| 19 | ♦:1-609-423-00 | H BOARD | |
| 20 | X-4364-703-0 | CABINET ASSY | 21 |
| 21 | 4-316-003-01 | HOLDER, CORD | |
| 22 | ♦:4-364-756-01 | LABEL, MODEL NUMBER (LARGE) | |
| 23 | 3-701-940-00 | LABEL, BEAB | |
| 24 | 9-911-837-XX | CUSHION (B) FILTER | |
| 25 | 4-341-675-00 | COVER, AC SWITCH | |
| 26 | ♦:4-364-741-00 | CUSHION, SPEAKER | |

## 4-2. CRT

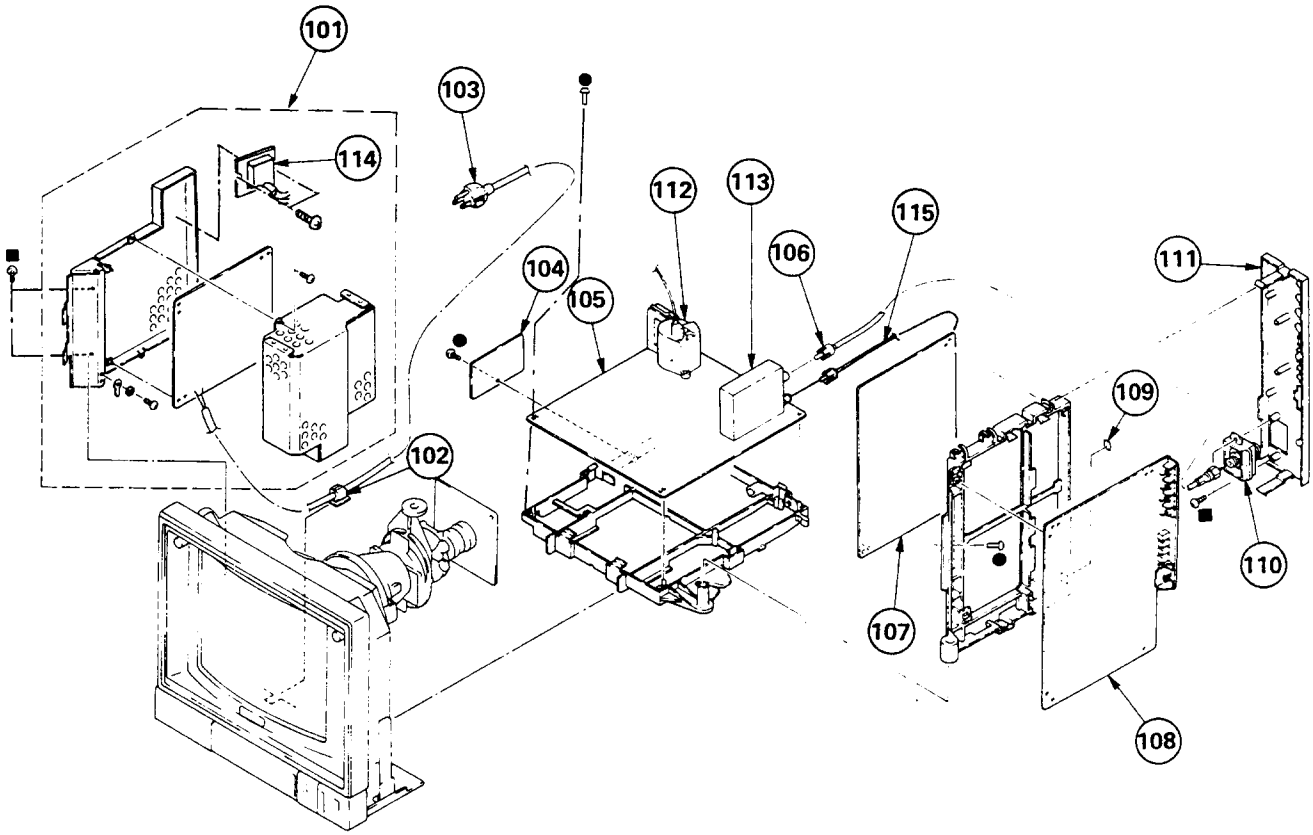



● BVTP3 x 12 7-685-648-71
▲ BVTP4 x 12 7-685-661-71

| No. | Part No | Description | Remark |
|---|---|---|---|
| 51 | ⚠ 8-738-312-05 | CRT (330YB22) | |
| 52 | 3-703-003-00 | SPACER, DY | |
| 53 | 1-452-146-00 | MAGNET, BMC | |
| 54 | ⚠ 1-451-160-32 | DEFLECTION YOKE (SY-97) | |
| 55 | ⚠ 1-426-086-12 | COIL, DEGAUSSING | |
| 56 | ⚠ 1-452-214-12 | CRT NECK ASSY (H TYPE) | |
| 57 | ♦:4-364-705-00 | BRACKET, FIXED, CRT | |
| 58 | 4-306-034-00 | FLANGE NUT, (B) 5MM | |
| 59 | ♦:A-1330-390-A | C BOARD, COMPLETE | |
| 60 | ⚠ 1-228-482-12 | RESISTOR ASSY, HIGH-VOLTAGE | |
| 61 | X-4308-815-0 | PERMALLOY ASSY, CONVERGENCE | |
| 62 | 1-452-032-00 | MAGNET, DISK; 10MM ϕ | |
| 63 | 1-452-094-00 | MAGNET, ROTATABLE DISK; 15MM ϕ | |

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

## 4-3. CHASSIS




• BVTP3 x 12 7-685-648-71
• BVTP3 x 8 7-685-646-71

| No. | Part No | Description | Remark |
|---|---|---|---|
| 101 | ♦:A-1245-191-A | F BOARD, COMPLETE | |
| 102 | ⚠4-364-745-01 | BUSHING, AC COARD | |
| 103 | ⚠1-534-820-12 | POWER CORD | |
| 104 | ♦:1-609-701-00 | D2 BOARD | |
| 105 | ♦:A-1345-398-A | D BOARD, COMPLETE | |
| 106 | ♦:1-551-489-00 | CABLE, WITH CABLE | |
| 107 | ♦:A-1295-656-A | A BOARD, COMPLETE | |
| 108 | ♦:A-1135-193-A | B BOARD, COMPLETE | |
| 109 | ♦:4-337-327-01 | LABEL, OPEN | |
| 110 | ⚠1-536-494-11 | ANT TERMINAL ASSY | |
| 111 | 4-364-746-01 | PANEL (B), CONNECTOR | |
| 112 | ⚠1-439-308-11 | TRANSFORMER ASSY, FLYBACK | |
| 113 | ⚠1-463-371-12 | TUNER (BT-882) | |
| 114 | ⚠1-162-142-21 | CAP BLOCK, HIGH VOLTAGE | |
| 115 | ♦:1-555-400-81 | CABLE, PIN | |

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

B

# SECTION 5
# ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

• Items marked " ♣ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μF, PF : μμF

RESISTORS
• All resistors are in ohms
• F : nonflammable

COILS
• MMH : mH, UH : μH

| Ref.No | Part No | Description | | | Remark |
|---|---|---|---|---|---|
| | ♣:A-1135-229-A | B BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | CONNECTOR | | | |
| B2 | ♣:1-560-224-00 | PLUG, CONNECTOR (2.5MM) 10P | | | |
| B3 | ♣:1-560-125-00 | PLUG, CONNECTOR (2.5MM) 5P | | | |
| B4 | ♣:1-560-124-00 | PLUG, CONNECTOR (2.5MM) 4P | | | |
| B5 | ♣:1-560-125-00 | PLUG, CONNECTOR (2.5MM) 5P | | | |
| B6 | ♣:1-560-124-00 | PLUG, CONNECTOR (2.5MM) 4P | | | |
| B503 | 1-536-782-00 | TERMINAL BOARD, INPUT/OUTPUT | | | |
| B601 | ♣:1-508-765-00 | 3P PLUG (M) | | | |
| B604 | ♣:1-560-123-00 | PLUG, CONNECTOR (2.5MM) 3P | | | |
| B605 | ♣:1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | |
| B607 | ♣:1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | |
| B608 | ♣:1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | |
| B609 | ♣:1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | |
| B610 | ♣:1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | |
| | | CAPACITOR | | | |
| C301 | 1-101-361-00 | CERAMIC | 150PF | 5% | 50V |
| C302 | 1-101-884-00 | CERAMIC | 56PF | 5% | 50V |
| C303 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V |
| C304 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C305 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V |
| C306 | 1-102-944-00 | CERAMIC | 7PF | 0.5PF | 50V |
| C307 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C308 | 1-108-385-00 | MYLAR | 0.047MF | 10% | 100V |
| C309 | 1-108-385-00 | MYLAR | 0.047MF | 10% | 100V |
| C310 | 1-123-381-00 | ELECT | 2.2MF | 20% | 50V |
| C311 | 1-102-852-00 | CERAMIC | 47PF | 5% | 50V |
| C312 | 1-102-852-00 | CERAMIC | 47PF | 5% | 50V |
| C314 | 1-102-963-00 | CERAMIC | 33PF | 5% | 50V |
| C315 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C316 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C317 | 1-108-389-00 | MYLAR | 0.1MF | 10% | 100V |
| C319 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C320 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C321 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C322 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C325 | 1-123-328-00 | ELECT | 4.7MF | 20% | 25V |
| C326 | 1-102-959-00 | CERAMIC | 22PF | 5% | 50V |
| C327 | 1-123-356-00 | ELECT | 10MF | 20% | 25V |
| C328 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C329 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C330 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C331 | 1-123-332-00 | ELECT | 47MF | 20% | 16V |
| C332 | 1-123-332-00 | ELECT | 47MF | 20% | 16V |
| C333 | 1-102-679-00 | CERAMIC | 120PF | 5% | 50V |
| C334 | 1-123-356-00 | ELECT | 10MF | 20% | 16V |
| C336 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C337 | 1-102-892-00 | CERAMIC | 22PF | 5% | 50V |
| C338 | 1-123-332-00 | ELECT | 47MF | 20% | 16V |
| C339 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C340 | 1-108-849-00 | MYLAR | 0.1MF | 10% | 50V |
| C341 | 1-123-379-00 | ELECT | 0.47MF | 20% | 50V |
| C342 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C343 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V |
| C344 | 1-123-356-00 | ELECT | 10MF | 20% | 16V |
| C345 | 1-102-892-00 | CERAMIC | 22PF | 5% | 50V |
| C346 | 1-123-607-00 | ELECT | 0.1MF | 20% | 50V |
| C347 | 1-123-607-00 | ELECT | 0.1MF | 20% | 50V |
| C348 | 1-123-607-00 | ELECT | 0.1MF | 20% | 50V |
| C349 | 1-123-381-00 | ELECT | 2.2MF | 20% | 50V |
| C350 | 1-121-257-00 | ELECT | 4.7MF | | 16V |
| C351 | 1-101-361-00 | CERAMIC | 150PF | 5% | 50V |
| C352 | 1-102-971-00 | CERAMIC | 82PF | 5% | 50V |
| C353 | 1-102-971-00 | CERAMIC | 82PF | 5% | 50V |
| C354 | 1-101-361-00 | CERAMIC | 150PF | 5% | 50V |
| C355 | 1-121-257-00 | ELECT | 4.7MF | | 16V |
| C356 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C357 | 1-102-809-00 | CERAMIC | 7PF | 1PF | 50V |
| C358 | 1-102-809-00 | CERAMIC | 7PF | 1PF | 50V |
| C359 | 1-102-971-00 | CERAMIC | 82PF | 5% | 50V |
| C360 | 1-102-809-00 | CERAMIC | 7PF | 1PF | 50V |
| C361 | 1-102-809-00 | CERAMIC | 7PF | 1PF | 50V |
| C362 | 1-123-332-00 | ELECT | 47MF | | 16V |
| C363 | 1-123-333-00 | ELECT | 100MF | 20% | 16V |
| C364 | 1-123-333-00 | ELECT | 100MF | 20% | 16V |
| C365 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C366 | 1-123-333-00 | ELECT | 100MF | 20% | 16V |
| C367 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V |
| C368 | 1-102-971-00 | CERAMIC | 82PF | 5% | 50V |
| C369 | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V |
| C370 | 1-101-361-00 | CERAMIC | 150PF | 5% | 50V |
| C371 | 1-108-377-00 | MYLAR | 0.01MF | 10% | 100V |
| C372 | 1-123-379-00 | ELECT | 0.47MF | 20% | 50V |
| C373 | 1-123-382-00 | ELECT | 3.3MF | 20% | 50V |
| C374 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C375 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V |
| C376 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V |
| C377 | 1-102-115-00 | CERAMIC | 560PF | 10% | 50V |
| C378 | 1-123-333-00 | ELECT | 100MF | 20% | 16V |
| C379 | 1-102-959-00 | CERAMIC | 22PF | 5% | 50V |
| C380 | 1-123-323-00 | ELECT | 470MF | 20% | 16V |
| C381 | 1-123-332-00 | ELECT | 47MF | 20% | 16V |
| C382 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C383 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C384 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C385 | 1-123-330-00 | ELECT | 22MF | 20% | 16V |
| C386 | 1-123-356-00 | ELECT | 10MF | 20% | 16V |
| C387 | 1-123-356-00 | ELECT | 10MF | 20% | 16V |
| C388 | 1-102-978-00 | CERAMIC | 220PF | 5% | 50V |
| C389 | 1-123-356-00 | ELECT | 10MF | 20% | 16V |
| C391 | 1-123-607-00 | ELECT | 0.1MF | 20% | 50V |
| C392 | 1-108-389-00 | MYLAR | 0.1MF | 10% | 100V |
| C393 | 1-102-525-00 | CERAMIC | 68PF | 5% | 50V |

B

| Ref.No | Part No | Description | | | Remark |
|---|---|---|---|---|---|
| C394 | 1-123-356-00 | ELECT | 10MF | 20% | 16V |
| C395 | 1-102-971-00 | CERAMIC | 82PF | 5% | 50V |
| C396 | 1-102-961-00 | CERAMIC | 27PF | 5% | 50V |
| C397 | 1-101-888-00 | CERAMIC | 68PF | 5% | 50V |
| C398 | 1-102-963-00 | CERAMIC | 33PF | 5% | 50V |
| C400 | 1-123-330-00 | ELECT | 22MF | 20% | 16V |
| C401 | 1-102-951-00 | CERAMIC | 15PF | 5% | 50V |
| C403 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V |
| C404 | 1-123-332-00 | ELECT | 47MF | 20% | 16V |
| C405 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C406 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C407 | 1-123-356-00 | ELECT | 10MF | 20% | 16V |
| C408 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C409 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C411 | 1-102-949-00 | CERAMIC | 12PF | 5% | 50V |
| C412 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C413 | 1-102-938-00 | CERAMIC | 1PF | 0.5PF | 50V |
| C414 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V |
| C415 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V |
| C416 | 1-101-888-00 | CERAMIC | 68PF | 5% | 50V |
| C417 | 1-102-809-00 | CERAMIC | 7PF | 1PF | 50V |
| C418 | 1-102-961-00 | CERAMIC | 27PF | 5% | 50V |
| C419 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C427 | 1-102-947-00 | CERAMIC | 10PF | 5% | 50V |
| C601 | 1-123-324-00 | ELECT | 1000MF | 20% | 16V |
| C602 | 1-123-331-00 | ELECT | 33MF | 20% | 25V |
| C603 | 1-123-333-00 | ELECT | 100MF | 20% | 25V |
| C604 | 1-123-325-00 | ELECT | 2200MF | 20% | 16V |
| C605 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C606 | 1-123-333-00 | ELECT | 100MF | 20% | 25V |
| C607 | 1-123-331-00 | ELECT | 33MF | 20% | 25V |
| C608 | 1-123-331-00 | ELECT | 33MF | 20% | 25V |
| C609 | 1-123-331-00 | ELECT | 33MF | 20% | 25V |
| C610 | 1-123-333-00 | ELECT | 100MF | 20% | 25V |
| C611 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C612 | 1-123-333-00 | ELECT | 100MF | 20% | 25V |
| C613 | 1-123-333-00 | ELECT | 100MF | 20% | 25V |
| C614 | 1-123-333-00 | ELECT | 100MF | 20% | 25V |
| C615 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C616 | 1-123-356-00 | ELECT | 10MF | 20% | 25V |
| C617 | 1-123-333-00 | ELECT | 100MF | 20% | 25V |
| C618 | 1-123-332-00 | ELECT | 47MF | 20% | 25V |
| C619 | 1-101-884-00 | CERAMIC | 56PF | 5% | 50V |
| C620 | 1-123-356-00 | ELECT | 10MF | 20% | 25V |
| C621 | 1-123-332-00 | ELECT | 47MF | 20% | 25V |
| C622 | 1-102-953-00 | CERAMIC | 18PF | 5% | 50V |
| C623 | 1-123-333-00 | ELECT | 100MF | 20% | 25V |
| C624 | 1-123-332-00 | ELECT | 47MF | 20% | 25V |
| C625 | 1-123-356-00 | ELECT | 10MF | 20% | 25V |
| C626 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C627 | 1-123-356-00 | ELECT | 10MF | 20% | 25V |
| C628 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C629 | 1-123-333-00 | ELECT | 100MF | 20% | 25V |
| C630 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C632 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C633 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C634 | 1-123-356-00 | ELECT | 10MF | 20% | 25V |
| C635 | 1-123-332-00 | ELECT | 47MF | 20% | 25V |
| C636 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C638 | 1-123-328-00 | ELECT | 4.7MF | 20% | 25V |
| C640 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C641 | 1-123-356-00 | ELECT | 10MF | 20% | 25V |
| C642 | 1-123-332-00 | ELECT | 47MF | 20% | 25V |
| C643 | 1-123-356-00 | ELECT | 10MF | 20% | 25V |
| C644 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V |
| C645 | 1-123-334-00 | ELECT | 220MF | 20% | 25V |
| C646 | 1-123-356-00 | ELECT | 10MF | 20% | 25V |
| C647 | 1-123-330-00 | ELECT | 22MF | 20% | 25V |

DIODE

| | | |
|---|---|---|
| D301 | 8-719-911-19 | DIODE 1SS119 |
| D302 | 8-719-911-19 | DIODE 1SS119 |
| D303 | 8-719-911-19 | DIODE 1SS119 |
| D304 | 8-719-911-19 | DIODE 1SS119 |
| D305 | 8-719-911-19 | DIODE 1SS119 |
| D306 | 8-719-911-19 | DIODE 1SS119 |
| D308 | 8-719-911-19 | DIODE 1SS119 |
| D309 | 8-719-911-19 | DIODE 1SS119 |
| D310 | 8-719-911-19 | DIODE 1SS119 |
| D311 | 8-719-911-19 | DIODE 1SS119 |
| D312 | 8-719-911-19 | DIODE 1SS119 |
| D314 | 8-719-981-01 | DIODE ERA81-004 |
| D315 | 8-719-911-19 | DIODE 1SS119 |
| D317 | 8-719-911-19 | DIODE 1SS119 |
| D319 | 8-719-911-19 | DIODE 1SS119 |
| D320 | 8-719-911-19 | DIODE 1SS119 |
| D324 | 8-719-911-19 | DIODE 1SS119 |
| D325 | 8-719-911-19 | DIODE 1SS119 |
| D326 | 8-719-911-19 | DIODE 1SS119 |
| D601 | 8-719-931-10 | DIODE EQA01-10 |
| D602 | 8-719-911-19 | DIODE 1SS119 |
| D603 | 8-719-911-19 | DIODE 1SS119 |
| D604 | 8-719-100-35 | DIODE RD5.6E-B2 |

DELAY LINE

| | | |
|---|---|---|
| DL301 | 1-415-122-31 | DELAY LINE |
| DL302 | 1-415-188-00 | DELAY LINE |
| DL303 | 1-415-207-21 | DELAY LINE (1H) |

IC

| | | |
|---|---|---|
| IC301 | 8-759-113-65 | IC UPC1365C |
| IC302 | 8-759-100-15 | IC UPC1364C |
| IC303 | 8-759-240-24 | IC TC4024BP |
| IC304 | 8-750-000-74 | IC CX20061 |
| IC305 | 8-750-000-74 | IC CX20061 |
| IC306 | 8-759-240-23 | IC TC4023BP |
| IC601 | 8-759-905-10 | IC CX884 |

**B**

| Ref.No | Part No | Description | Remark |
|---|---|---|---|
| | | COIL | |
| L301 | 1-408-416-00 | MICRO INDUCTOR 39UH | |
| L302 | 1-408-406-00 | MICRO INDUCTOR 5.6UH | |
| L304 | 1-408-408-00 | MICRO INDUCTOR 8.2UH | |
| L308 | 1-408-247-00 | MICRO INDUCTOR 33MMH | |
| L309 | 1-408-163-00 | MICRO INDUCTOR 5.6MMH | |
| L311 | 1-408-445-11 | MICRO INDUCTOR 18UH | |
| L312 | 1-408-444-11 | MICRO INDUCTOR 15UH | |
| L313 | 1-408-446-11 | MICRO INDUCTOR 22UH | |
| L314 | 1-408-442-11 | MICRO INDUCTOR 10UH | |
| L316 | 1-408-447-11 | MICRO INDUCTOR 27UH | |
| L317 | 1-408-445-11 | MICRO INDUCTOR 18UH | |
| L318 | 1-408-445-11 | MICRO INDUCTOR 18UH | |
| L601 | 1-408-226-00 | MICRO INDUCTOR 82UH | |
| L602 | 1-408-446-11 | MICRO INDUCTOR 22UH | |
| | | TRANSISTOR | |
| Q301 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q302 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q303 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q304 | 8-769-200-30 | TRANSISTOR 2SK107-3 | |
| Q305 | 8-769-200-30 | TRANSISTOR 2SK107-3 | |
| Q306 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q307 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q308 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q309 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q310 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q311 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q312 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q313 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q314 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q315 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q318 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q320 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q321 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q322 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q323 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q324 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q325 | 8-769-200-30 | TRANSISTOR 2SK107-3 | |
| Q326 | 8-769-200-30 | TRANSISTOR 2SK107-3 | |
| Q327 | 8-769-200-30 | TRANSISTOR 2SK107-3 | |
| Q328 | 8-769-200-30 | TRANSISTOR 2SK107-3 | |
| Q329 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q336 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q340 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q341 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q342 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q343 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q344 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q345 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q346 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q347 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q348 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q349 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q350 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q351 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q352 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q353 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q354 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q355 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q356 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q357 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q358 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q359 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q360 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q402 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q403 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q601 | 8-729-177-43 | TRANSISTOR 2SD774 | |
| Q602 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q603 | 8-729-177-43 | TRANSISTOR 2SD774 | |
| Q604 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q605 | 8-729-313-42 | TRANSISTOR 2SD1134 | |
| Q606 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q607 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q608 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q609 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q610 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q611 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q612 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| | | RESISTOR | |
| R301 | 1-247-833-00 | CARBON 1.2K 5% 1/6W | |
| R302 | 1-247-829-00 | CARBON 820 5% 1/6W | |
| R303 | 1-247-843-00 | CARBON 3.3K 5% 1/6W | |
| R304 | 1-247-859-00 | CARBON 15K 5% 1/6W | |
| R305 | 1-247-867-00 | CARBON 33K 5% 1/6W | |
| R306 | 1-247-879-00 | CARBON 100K 5% 1/6W | |
| R307 | 1-247-859-00 | CARBON 15K 5% 1/6W | |
| R308 | 1-247-867-00 | CARBON 33K 5% 1/6W | |
| R309 | 1-247-823-00 | CARBON 470 5% 1/6W | |
| R310 | 1-247-839-00 | CARBON 2.2K 5% 1/6W | |
| R311 | 1-247-845-00 | CARBON 3.9K 5% 1/6W | |
| R312 | 1-247-903-00 | CARBON 1M 5% 1/6W | |
| R313 | 1-247-875-00 | CARBON 68K 5% 1/6W | |
| R314 | 1-247-903-00 | CARBON 1M 5% 1/6W | |
| R315 | 1-247-807-00 | CARBON 100 5% 1 6W | |
| R316 | 1-247-839-00 | CARBON 2.2K 5% 1/6W | |
| R317 | 1-247-865-00 | CARBON 27K 5% 1/6W | |
| R318 | 1-247-865-00 | CARBON 27K 5% 1/6W | |
| R319 | 1-247-831-00 | CARBON 1K 5% 1/6W | |
| R320 | 1-247-827-00 | CARBON 680 5% 1/6W | |
| R321 | 1-247-879-00 | CARBON 100K 5% 1/6W | |
| R322 | 1-247-827-00 | CARBON 680 5% 1/6W | |
| R323 | 1-247-903-00 | CARBON 1M 5% 1/6W | |
| R324 | 1-247-887-00 | CARBON 220K 5% 1/6W | |

B

| Ref.No | Part No | Description | | | | Remark |
|---|---|---|---|---|---|---|
| R325 | 1-247-847-00 | CARBON | 4.7K | 5% | 1/6W | |
| R326 | 1-247-835-00 | CARBON | 1.5K | 5% | 1/6W | |
| R327 | 1-247-833-00 | CARBON | 1.2K | 5% | 1/6W | |
| R328 | 1-247-877-00 | CARBON | 82K | 5% | 1/6W | |
| R329 | 1-247-845-00 | CARBON | 3.9K | 5% | 1/6W | |
| R330 | 1-247-849-00 | CARBON | 5.6K | 5% | 1/6W | |
| R331 | 1-247-847-00 | CARBON | 4.7K | 5% | 1/6W | |
| R332 | 1-247-821-00 | CARBON | 390 | 5% | 1/6W | |
| R333 | 1-247-815-00 | CARBON | 220 | 5% | 1/6W | |
| R334 | 1-247-815-00 | CARBON | 220 | 5% | 1/6W | |
| R335 | 1-247-823-00 | CARBON | 470 | 5% | 1/6W | |
| R336 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W | |
| R337 | 1-247-827-00 | CARBON | 680 | 5% | 1/6W | |
| R338 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R339 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W | |
| R340 | 1-247-815-00 | CARBON | 220 | 5% | 1/6W | |
| R341 | 1-247-827-00 | CARBON | 680 | 5% | 1/6W | |
| R342 | 1-247-813-00 | CARBON | 180 | 5% | 1/6W | |
| R343 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | |
| R344 | 1-247-853-00 | CARBON | 8.2K | 5% | 1/6W | |
| R345 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R346 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | |
| R351 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R352 | 1-247-825-00 | CARBON | 560 | 5% | 1/6W | |
| R353 | 1-247-869-00 | CARBON | 39K | 5% | 1/6W | |
| R354 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W | |
| R356 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R357 | 1-247-835-00 | CARBON | 1.5K | 5% | 1/6W | |
| R358 | 1-247-835-00 | CARBON | 1.5K | 5% | 1/6W | |
| R359 | 1-247-833-00 | CARBON | 1.2K | 5% | 1/6W | |
| R360 | 1-247-823-00 | CARBON | 470 | 5% | 1/6W | |
| R362 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | |
| R364 | 1-247-823-00 | CARBON | 470 | 5% | 1/6W | |
| R365 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R366 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R367 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R368 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R369 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W | |
| R370 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R371 | 1-247-847-00 | CARBON | 4.7K | 5% | 1/6W | |
| R372 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R373 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R374 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R375 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W | |
| R377 | 1-247-829-00 | CARBON | 820 | 5% | 1/6W | |
| R378 | 1-246-996-00 | CARBON | 2.2K | 5% | 1/8W | F |
| R379 | 1-247-853-00 | CARBON | 8.2K | 5% | 1/6W | |
| R380 | 1-247-837-00 | CARBON | 1.8K | 5% | 1/6W | |
| R381 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | |
| R382 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | |
| R383 | 1-247-847-00 | CARBON | 4.7K | 5% | 1/6W | |
| R384 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | |
| R385 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |

| Ref.No | Part No | Description | | | | Remark |
|---|---|---|---|---|---|---|
| R386 | 1-247-885-00 | CARBON | 180K | 5% | 1/6W | |
| R387 | 1-247-849-00 | CARBON | 5.6K | 5% | 1/6W | |
| R388 | 1-247-859-00 | CARBON | 15K | 5% | 1/6W | |
| R389 | 1-247-859-00 | CARBON | 15K | 5% | 1/6W | |
| R390 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | |
| R391 | 1-247-847-00 | CARBON | 4.7K | 5% | 1/6W | |
| R392 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | |
| R393 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | |
| R394 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R395 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R396 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R397 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | |
| R398 | 1-247-859-00 | CARBON | 15K | 5% | 1/6W | |
| R400 | 1-247-877-00 | CARBON | 82K | 5% | 1/6W | |
| R401 | 1-247-873-00 | CARBON | 56K | 5% | 1/6W | |
| R402 | 1-247-883-00 | CARBON | 150K | 5% | 1/6W | |
| R403 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R404 | 1-247-870-00 | CARBON | 43K | 5% | 1/6W | |
| R405 | 1-247-891-00 | CARBON | 330K | 5% | 1/6W | |
| R406 | 1-247-870-00 | CARBON | 43K | 5% | 1/6W | |
| R407 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R408 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R409 | 1-247-849-00 | CARBON | 5.6K | 5% | 1/6W | |
| R410 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R411 | 1-247-854-00 | CARBON | 9.1K | 5% | 1/6W | |
| R412 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R413 | 1-247-815-00 | CARBON | 220 | 5% | 1/6W | |
| R414 | 1-247-853-00 | CARBON | 8.2K | 5% | 1/6W | |
| R415 | 1-247-815-00 | CARBON | 220 | 5% | 1/6W | |
| R416 | 1-247-853-00 | CARBON | 8.2K | 5% | 1/6W | |
| R417 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | |
| R418 | 1-247-903-00 | CARBON | 1M | 5% | 1/6W | |
| R419 | 1-247-837-00 | CARBON | 1.8K | 5% | 1/6W | |
| R420 | 1-247-835-00 | CARBON | 1.5K | 5% | 1/6W | |
| R424 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R425 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R426 | 1-247-876-00 | CARBON | 75K | 5% | 1/6W | |
| R428 | 1-247-825-00 | CARBON | 560 | 5% | 1/6W | |
| R429 | 1-247-859-00 | CARBON | 15K | 5% | 1/6W | |
| R430 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R431 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R433 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R434 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R435 | 1-247-839-00 | CARBON | 2.2K | 5% | 1/6W | |
| R436 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R437 | 1-247-873-00 | CARBON | 56K | 5% | 1/6W | |
| R438 | 1-247-838-00 | CARBON | 2K | 5% | 1/6W | |
| R440 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R441 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R442 | 1-247-873-00 | CARBON | 56K | 5% | 1/6W | |
| R443 | 1-247-839-00 | CARBON | 2.2K | 5% | 1/6W | |
| R444 | 1-247-839-00 | CARBON | 2.2K | 5% | 1/6W | |
| R445 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |

**B**

| Ref.No | Part No | Description | | | | Remark |
|---|---|---|---|---|---|---|
| R446 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W | |
| R447 | 1-247-823-00 | CARBON | 470 | 5% | 1/6W | |
| R448 | 1-247-823-00 | CARBON | 470 | 5% | 1/6W | |
| R449 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W | |
| R451 | 1-247-839-00 | CARBON | 2.2K | 5% | 1/6W | |
| R452 | 1-247-827-00 | CARBON | 680 | 5% | 1/6W | |
| R453 | 1-247-815-00 | CARBON | 220 | 5% | 1/6W | |
| R454 | 1-247-827-00 | CARBON | 680 | 5% | 1/6W | |
| R455 | 1-202-463-00 | SOLID | 2.2M | 5% | 1/4W | |
| R456 | 1-247-803-00 | CARBON | 68 | 5% | 1/6W | |
| R457 | 1-247-815-00 | CARBON | 220 | 5% | 1/6W | |
| R458 | 1-247-817-00 | CARBON | 270 | 5% | 1/6W | |
| R459 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R460 | 1-247-827-00 | CARBON | 680 | 5% | 1/6W | |
| R461 | 1-247-827-00 | CARBON | 680 | 5% | 1/6W | |
| R462 | 1-247-827-00 | CARBON | 680 | 5% | 1/6W | |
| R463 | 1-247-827-00 | CARBON | 680 | 5% | 1/6W | |
| R464 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R465 | 1-247-823-00 | CARBON | 470 | 5% | 1/6W | |
| R466 | 1-247-835-00 | CARBON | 1.5K | 5% | 1/6W | |
| R468 | 1-247-827-00 | CARBON | 680 | 5% | 1/6W | |
| R469 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R470 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R471 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W | |
| R472 | 1-247-827-00 | CARBON | 680 | 5% | 1/6W | |
| R473 | 1-247-837-00 | CARBON | 1.8K | 5% | 1/6W | |
| R475 | 1-247-823-00 | CARBON | 470 | 5% | 1/6W | |
| R477 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R478 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W | |
| R479 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R480 | 1-247-852-00 | CARBON | 7.5K | 5% | 1/6W | |
| R481 | 1-247-829-00 | CARBON | 820 | 5% | 1/6W | |
| R482 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R483 | 1-247-815-00 | CARBON | 220 | 5% | 1/6W | |
| R484 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R485 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R486 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R487 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R490 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R492 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | |
| R493 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R494 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | |
| R495 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R496 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W | |
| R497 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R498 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R499 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R501 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R502 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R503 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R504 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R505 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R506 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R507 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R508 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R509 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R510 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R511 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R512 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R513 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R514 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R515 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R517 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R518 | 1-247-823-00 | CARBON | 470 | 5% | 1/6W | |
| R519 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | |
| R520 | 1-247-835-00 | CARBON | 1.5K | 5% | 1/6W | |
| R521 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R523 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R524 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R525 | 1-247-869-00 | CARBON | 39K | 5% | 1/6W | |
| R530 | 1-247-814-00 | CARBON | 200 | 5% | 1/6W | |
| R532 | 1-246-457-00 | CARBON | 220 | 5% | 1/4W | |
| R533 | 1-246-457-00 | CARBON | 220 | 5% | 1/4W | |
| R534 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W | |
| R535 | 1-247-878-00 | CARBON | 91K | 5% | 1/6W | |
| R536 | 1-247-882-00 | CARBON | 130K | 5% | 1/6W | |
| R537 | 1-247-865-00 | CARBON | 27K | 5% | 1/6W | |
| R538 | 1-247-872-00 | CARBON | 51K | 5% | 1/6W | |
| R539 | 1-247-829-00 | CARBON | 820 | 5% | 1/6W | |
| R540 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R541 | 1-247-827-00 | CARBON | 680 | 5% | 1/6W | |
| R542 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R543 | 1-247-838-00 | CARBON | 2K | 5% | 1/6W | |
| R545 | 1-247-883-00 | CARBON | 150K | 5% | 1/6W | |
| R573 | 1-247-838-00 | CARBON | 2K | 5% | 1/6W | |
| R601 | 1-246-446-00 | CARBON | 75 | 5% | 1/4W | |
| R602 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R603 | 1-247-817-00 | CARBON | 270 | 5% | 1/6W | |
| R604 | 1-247-851-00 | CARBON | 6.8K | 5% | 1/6W | |
| R605 | 1-247-845-00 | CARBON | 3.9K | 5% | 1/6W | |
| R606 | 1-247-825-00 | CARBON | 560 | 5% | 1/6W | |
| R607 | 1-246-446-00 | CARBON | 75 | 5% | 1/4W | |
| R608 | 1-246-446-00 | CARBON | 75 | 5% | 1/4W | |
| R609 | 1-213-135-00 | METAL OXIDE | 220 | 5% | 1W | F |
| R610 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R611 | 1-246-439-00 | CARBON | 39 | 5% | 1/4W | |
| R612 | 1-247-821-00 | CARBON | 390 | 5% | 1/6W | |
| R613 | 1-247-838-00 | CARBON | 2K | 5% | 1/6W | |
| R614 | 1-247-791-00 | CARBON | 22 | 5% | 1/6W | |
| R615 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R616 | 1-247-865-00 | CARBON | 27K | 5% | 1/6W | |
| R618 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W | |
| R619 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W | |
| R620 | 1-247-825-00 | CARBON | 560 | 5% | 1/6W | |
| R621 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | |
| R622 | 1-247-833-00 | CARBON | 1.2K | 5% | 1/6W | |

**B F**

| Ref.No | Part No | Description | | | | Remark |
|---|---|---|---|---|---|---|
| R623 | 1-217-394-00 | FUSIBLE | 39 | 5% | 1/4W | F |
| R624 | 1-247-833-00 | CARBON | 1.2K | 5% | 1/6W | |
| R625 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R626 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R627 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R628 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | |
| R629 | 1-247-835-00 | CARBON | 1.5K | 5% | 1/6W | |
| R630 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R631 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R632 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R633 | 1-244-846-00 | CARBON | 75 | 5% | 1/2W | |
| R634 | 1-246-446-00 | CARBON | 75 | 5% | 1/4W | |
| R635 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R636 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R637 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R638 | 1-247-835-00 | CARBON | 1.5K | 5% | 1/6W | |
| R639 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R640 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R641 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R642 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R643 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R644 | 1-247-847-00 | CARBON | 4.7K | 5% | 1/6W | |
| R645 | 1-247-893-00 | CARBON | 390K | 5% | 1/6W | |
| R646 | 1-247-897-00 | CARBON | 560K | 5% | 1/6W | |
| R647 | 1-247-837-00 | CARBON | 1.8K | 5% | 1/6W | |
| R648 | 1-247-827-00 | CARBON | 680 | 5% | 1/6W | |
| R649 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R650 | 1-247-839-00 | CARBON | 2.2K | 5% | 1/6W | |
| R651 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | |
| R652 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W | |
| R653 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R654 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W | |
| R655 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R656 | 1-247-827-00 | CARBON | 680 | 5% | 1/6W | |
| R657 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R658 | 1-247-816-00 | CARBON | 240 | 5% | 1/6W | |
| R659 | 1-247-851-00 | CARBON | 6.8K | 5% | 1/6W | |
| R660 | 1-247-837-00 | CARBON | 1.8K | 5% | 1/6W | |
| R661 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R662 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R663 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R664 | 1-247-839-00 | CARBON | 2.2K | 5% | 1/6W | |
| R665 | 1-247-817-00 | CARBON | 270 | 5% | 1/6W | |
| R666 | 1-247-835-00 | CARBON | 1.5K | 5% | 1/6W | |
| R667 | 1-247-834-00 | CARBON | 1.3K | 5% | 1/6W | |
| R668 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R669 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R670 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R671 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R672A | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R672B | 1-247-837-00 | CARBON | 1.8K | 5% | 1/6W | |
| R674 | 1-247-842-00 | CARBON | 3K | 5% | 1/6W | |

| Ref.No | Part No | Description | | | |
|---|---|---|---|---|---|
| | | VARIABLE RESISTOR | | | |
| RV301 | 1-226-849-00 | RES, ADJ, CARBON 3.3K | | | |
| RV302 | 1-226-852-00 | RES, ADJ, CARBON 22K | | | |
| RV303 | 1-226-852-00 | RES, ADJ, CARBON 22K | | | |
| RV305 | 1-226-853-00 | RES, ADJ, CARBON 47K | | | |
| RV306 | 1-226-850-00 | RES, ADJ, CARBON 4.7K | | | |
| RV307 | 1-226-850-00 | RES, ADJ, CARBON 4.7K | | | |
| RV308 | 1-226-846-00 | RES, ADJ, CARBON 470 | | | |
| RV309 | 1-226-851-00 | RES, ADJ, CARBON 10K | | | |
| RV330 | 1-226-845-00 | RES, ADJ, CARBON 330 | | | |
| RV331 | 1-226-847-00 | RES, ADJ, CARBON 1K | | | |
| RV332 | 1-226-849-00 | RES, ADJ, CARBON 3.3K | | | |
| | | SWITCH | | | |
| SW601 | 1-553-725-00 | SWITCH, SLIDE | | | |
| | | TRANSFORMER | | | |
| T301 | 1-425-786-00 | TRANSFORMER, BANDPASS(BPT) | | | |
| T302 | 1-404-081-00 | TRANSFOMER, DELAY ADJUST | | | |
| T303 | 1-404-146-00 | TRANSFORMER | | | |
| T304 | 1-408-532-00 | COIL, VARIABLE | | | |
| T305 | 1-408-532-00 | COIL, VARIABLE | | | |
| T306 | 1-408-513-00 | COIL (VARIABLE) | | | |
| T307 | 1-409-193-00 | COIL 3.58MHZ TRAP | | | |
| T308 | 1-409-193-00 | COIL 3.58MHZ TRAP | | | |
| T309 | 1-408-513-00 | COIL (VARIABLE) | | | |
| | | THERMISTOR | | | |
| TH301 | 1-800-626-00 | THERMISTOR | | | |
| TH302 | 1-800-944-00 | THERMISTOR TH-4700 | | | |
| | | CRISTAL | | | |
| X301 | 1-527-396-00 | CRYSTAL, OSC | | | |
| X302 | 1-527-345-00 | CRYSTAL, OSC | | | |
| ********** | | | | | |
| ♣ | A-1245-191-A | F BOARD, COMPLETE | | | |
| | | ********** | | | |
| ⚠ | 1-534-820-12 | POWER CORD | | | |
| | 1-543-194-00 | CORE, BEAD | | | |
| | 3-701-810-31 | SCREW, TERMINAL | | | |
| ♣ | 3-703-141-00 | HOLDER, PCB | | | |
| | 4-312-237-00 | CLIP, CABLE | | | |
| ♣ | 4-364-719-00 | CASE (A), SHIELD | | | |
| ♣ | 4-364-720-00 | CASE (B), SHIELD | | | |
| | | CAPACITOR | | | |
| C601 | ⚠ 1-108-745-62 | MYLAR | 0.22MF | 20% | 300V |
| ♣ | 4-316-137-00 | COVER, CAPACITOR, C601 | | | |
| C602 | ⚠ 1-108-745-62 | MYLAR | 0.22MF | 20% | 300V |
| C605 | ⚠ 1-108-745-62 | MYLAR | 0.22MF | 20% | 300V |

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

F

| Ref.No | Part No | Description | | | Remark |
|---|---|---|---|---|---|
| C606 | 1-161-738-00 | CERAMIC | 0.0047MF | 20% | 400V |
| C607 | 1-161-738-00 | CERAMIC | 0.0047MF | 20% | 400V |
| C608 | 1-125-287-00 | ELECT(BLOCK) | 430MF | | 400V |
| C609 | 1-161-738-00 | CERAMIC | 0.0047MF | 20% | 400V |
| C610 | 1-161-953-00 | FILM | 0.0047MF | 20% | 400V |
| C611 | 1-161-738-00 | CERAMIC | 0.0047MF | 20% | 400V |
| C612 | 1-161-953-00 | FILM | 0.0047MF | 20% | 400V |
| C613 | 1-161-738-00 | CERAMIC | 0.0047MF | 20% | 400V |
| C614 | 1-161-739-00 | CERAMIC | 0.01MF | 20% | 400V |
| C615 | 1-102-327-00 | CERAMIC | 330PF | 15% | 1.5KV |
| C616 | 1-129-703-51 | FILM | 0.0012MF | 10% | 630V |
| C617 | 1-102-327-00 | CERAMIC | 330PF | 15% | 1.5KV |
| C618 | 1-123-360-00 | ELECT | 100MF | 20% | 50V |
| C619 | 1-123-335-00 | ELECT | 330MF | 20% | 25V |
| C620 | 1-123-381-00 | ELECT | 2.2MF | 20% | 50V |
| C621 | 1-102-002-00 | CERAMIC | 680PF | 10% | 500V |
| C638 | 1-123-332-00 | ELECT | 47MF | 20% | 16V |
| C622 | 1-108-376-00 | MYLAR | 0.0082MF | 10% | 100V |
| C623 | 1-102-959-00 | CERAMIC | 22PF | 5% | 50V |
| C625 | 1-108-379-00 | MYLAR | 0.015MF | 10% | 100V |
| C626 | 1-102-327-00 | CERAMIC | 330PF | 15% | 1.5KV |
| C627 | 1-123-024-00 | ELECT | 33MF | | 160V |
| C628 | 1-124-131-00 | ELECT | 47MF | 20% | 100V |
| C629 | 1-106-180-00 | MYLAR | 0.0022MF | 5% | 100V |
| C630 | 1-102-030-00 | CERAMIC | 330PF | 10% | 500V |
| C631 | 1-124-128-00 | ELECT | 470MF | 20% | 25V |
| C632 | 1-124-128-00 | ELECT | 470MF | 20% | 25V |
| C634 | 1-102-030-00 | CERAMIC | 330PF | 10% | 500V |
| C637 | 1-102-121-00 | CERAMIC | 0.0022MF | 10% | 50V |
| C639 | 1-108-849-00 | MYLAR | 0.1MF | 10% | 50V |

DIODE

| | | |
|---|---|---|
| D601 | 8-719-911-55 | DIODE U05G |
| D602 | 8-719-503-06 | DIODE S3WB60Z |
| D603 | 8-719-100-68 | DIODE RD13E-B2 |
| D604 | 8-719-300-70 | DIODE RH-1C |
| D605 | 8-719-901-83 | DIODE 1SS83 |
| D606 | 8-719-300-45 | DIODE EM-1Z |
| D607 | 8-719-300-45 | DIODE EM-1Z |
| D608 | 8-719-901-83 | DIODE 1SS83 |
| D609 | 8-719-901-93 | DIODE V19E |
| D610 | 8-719-900-26 | DIODE ERD29-08J |
| D611 | 8-719-901-93 | DIODE V19E |
| D612 | 8-719-907-30 | DIODE ERB84-009 |
| D613 | 8-719-901-93 | DIODE V19E |

CONNECTOR

| | | |
|---|---|---|
| F1 | ♣:1-506-348-XX | 3P PLUG (L) |
| F2 | ♣:1-506-348-XX | 3P PLUG (L) |
| F3 | ♣:1-508-765-00 | 3P PLUG (M) |
| F4 | ♣:1-508-768-00 | 6P PLUG |

| Ref.No | Part No | Description | Remark |
|---|---|---|---|
| | | FUSE | |
| F601 | ⚠1-532-325-11 | FUSE, TIME-LAG 6.3A | |
| | ♣:1-533-087-00 | HOLDER, FUSE, F601 | |
| | ♣:3-701-947-19 | LABEL, FUSE, F601 | |
| | | IC | |
| IC601 | 8-759-046-00 | IC TDA4600 | |
| | ♣:4-356-301-00 | HEAT SINK (D), IC601 | |
| | | COIL | |
| L601 | 1-407-180-XX | MICRO INDUCTOR 1.5UH | |
| L602 | 1-408-421-00 | MICRO INDUCTOR 100UH | |
| L603 | 1-425-613-00 | COIL, AIR-CORE, QF TYPE | |
| L604 | 1-459-215-00 | CORE COIL | |
| L605 | 1-408-403-00 | MICRO INDUCTOR 3.3UH | |
| L607 | 1-421-487-00 | COIL, CHOKE | |
| L608 | 1-459-215-00 | CORE COIL | |
| L611 | 1-407-364-00 | COIL, SPOOK CHOKE | |
| L612 | 1-407-184-XX | MICRO INDUCTOR 3.3UH | |
| | | THERMISTOR | |
| PTH601 | 1-800-665-00 | THERMISTOR | |
| | | TRANSISTOR | |
| Q601 | 8-719-000-28 | THYRISTOR CR02AM-8 | |
| Q602 | 8-729-300-60 | TRANSISTOR 2SC1413-SY | |
| | 3-701-353-00 | SPACER, MICA, Q602 | |
| | 3-701-609-00 | BUSHING (B), TR, Q602 | |
| | ♣:4-314-938-01 | RETAINER (TO-3), TRANSISTOR, Q602 | |
| | ♣:4-336-010-00 | HEAT SINK, Q602 | |

RESISTOR

| | | | | | | |
|---|---|---|---|---|---|---|
| R602 | 1-206-688-00 | METAL OXIDE | 10K | 5% | 2W | F |
| R603 | 1-247-289-00 | CARBON | 8.2M | 5% | 1W | |
| R604 | 1-244-929-00 | CARBON | 220K | 5% | 1/2W | |
| R605 | 1-212-356-00 | METAL OXIDE | 0.47 | 5% | 1W | F |
| R606 | 1-247-851-00 | CARBON | 6.8K | 5% | 1/6W | |
| R607 | 1-244-931-00 | CARBON | 270K | 5% | 1/2W | |
| R608 | 1-215-263-00 | METAL | 220K | | 1W | |
| R610 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W | |
| R611 | 1-246-981-00 | CARBON | 4.7 | 5% | 1/8W | F |
| R612 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W | |
| R613 | 1-247-833-00 | CARBON | 1.2K | 5% | 1/6W | |
| R614 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R615 | 1-244-929-00 | CARBON | 220K | 5% | 1/2W | |
| R616 | 1-247-795-00 | CARBON | 33 | 5% | 1/6W | |
| R617 | 1-247-849-00 | CARBON | 5.6K | 5% | 1/6W | |
| R618 | 1-247-839-00 | CARBON | 2.2K | 5% | 1/6W | |
| R619 | 1-206-519-00 | METAL OXIDE | 22 | 5% | 3W | F |
| R620 | 1-217-305-00 | WIREWOUND | 39 | 10% | 5W | F |
| R621 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W | |
| R622 | 1-246-997-00 | CARBON | 1.2 | 5% | 1/4W | F |

NOTE:

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F A

| Ref.No | Part No | Description | | | | Remark |
|---|---|---|---|---|---|---|
| R623 | 1-202-729-00 | SOLID | 6.8M | 10% | 1/2W | |
| *R626 | 1-247-873-00 | CARBON | 56K | 5% | 1/6W | |
| *R626 | 1-247-874-00 | CARBON | 62K | 5% | 1/6W | |
| *R626 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| *R626 | 1-247-876-00 | CARBON | 75K | 5% | 1/6W | |
| R633 | 1-206-690-00 | METAL OXIDE | 12K | 5% | 2W | F |
| | | VARIABLE RESISTOR | | | | |
| RV601 | 1-226-850-00 | RES, ADJ, CARBON 4.7K | | | | |
| RV601 | 1-226-850-00 | RES, ADJ, CARBON 4.7K | | | | |
| | | TRANSFORMER | | | | |
| T601 ⚠ | 1-421-556-21 | TRANSFORMER, LINE FILTER (LFT) | | | | |
| T602 ⚠ | 1-421-412-11 | COIL, FERRITE | | | | |
| T603 ⚠ | 1-421-584-11 | TRANSFORMER, FERRITE (SRT) | | | | |
| T604 | 1-421-357-31 | TRANSFORMER, LINE FILTER | | | | |
| | | THERMISTOR | | | | |
| TH601 | 1-800-820-00 | THERMISTOR, POWER | | | | |
| ********** | | | | | | |
| ♦ | A-1295-656-A | A BOARD, COMPLETE | | | | |
| | | ********** | | | | |
| ♦ | 4-317-752-00 | LID, UPPER, SHIELD CASE (A) | | | | |
| ♦ | 4-317-753-13 | LID, BOTTOM, SHIELD CASE (A) | | | | |
| ♦ | 4-317-759-00 | SHIELD CASE (A), MAIN | | | | |
| ♦ | 4-336-030-00 | CASE (MAIN), SHIELD, VIF | | | | |
| ♦ | 4-336-403-00 | CASE (LOWER), SHIELD, M | | | | |
| ♦ | 4-336-404-00 | CASE (UPPER), SHIELD, M | | | | |
| ♦ | 4-336-405-00 | CASE (MAIN), SHIELD, M | | | | |
| ♦ | 4-351-217-00 | CASE (UPPER), SHIELD, VIF | | | | |
| ♦ | 4-351-218-00 | CASE (LOWER), SHIELD, VIF | | | | |
| | | CONNECTOR | | | | |
| A1 | ♦1-560-127-00 | PLUG, CONNECTOR (2.5MM) 7P | | | | |
| A2 | ♦1-560-127-00 | PLUG, CONNECTOR (2.5MM) 7P | | | | |
| A3 | ♦1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | | |
| A4 | ♦1-560-124-00 | PLUG, CONNECTOR (2.5MM) 4P | | | | |
| A5 | ♦1-508-766-00 | 4P PLUG (M) | | | | |
| A6 | ♦1-560-124-00 | PLUG, CONNECTOR (2.5MM) 4P | | | | |
| A7 | ♦1-560-127-00 | PLUG, CONNECTOR (2.5MM) 7P | | | | |
| A8 | ♦1-560-125-00 | PLUG, CONNECTOR (2.5MM) 5P | | | | |
| A10 | ♦1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | | |
| A11 | ♦1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | | |
| | | CAPACITOR | | | | |
| C002 | 1-123-380-00 | ELECT | 1MF | 20% | 50V | |
| C003 | 1-161-313-00 | CERAMIC | 150PF | 10% | 50V | |
| C004 | 1-161-313-00 | CERAMIC | 150PF | 10% | 50V | |
| C005 | 1-123-382-00 | ELECT | 3.3MF | 20% | 50V | |
| C008 | 1-161-265-00 | CERAMIC | 33PF | 5% | 50V | |
| C009 | 1-123-021-00 | ELECT | 0.47MF | 30% | 50V | |

| Ref.No | Part No | Description | | | Remark |
|---|---|---|---|---|---|
| C010 | 1-161-271-00 | CERAMIC | 100PF | 5% | 50V |
| C011 | 1-161-268-00 | CERAMIC | 56PF | 5% | 50V |
| C013 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C014 | 1-123-159-00 | ELECT | 1MF | 20% | 50V |
| C015 | 1-108-385-00 | MYLAR | 0.047MF | 10% | 100V |
| C016 | 1-161-330-21 | CERAMIC | 0.01MF | 30% | 25V |
| C017 | 1-161-316-00 | CERAMIC | 270PF | 10% | 50V |
| C018 | 1-123-381-00 | ELECT | 2.2MF | 20% | 50V |
| C019 | 1-108-393-00 | MYLAR | 0.22MF | 10% | 100V |
| C020 | 1-161-330-21 | CERAMIC | 0.01MF | 30% | 25V |
| C021 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C022 | 1-161-319-00 | CERAMIC | 470PF | 10% | 50V |
| C023 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C024 | 1-108-389-00 | MYLAR | 0.1MF | 10% | 100V |
| C025 | 1-108-385-00 | MYLAR | 0.047MF | 10% | 100V |
| C027 | 1-108-365-00 | MYLAR | 0.001MF | 10% | 100V |
| C028 | 1-161-319-00 | CERAMIC | 470PF | 10% | 50V |
| C029 | 1-161-319-00 | CERAMIC | 470PF | 10% | 50V |
| C030 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C032 | 1-123-379-00 | ELECT | 0.47MF | 20% | 50V |
| C034 | 1-123-318-00 | ELECT | 33MF | 20% | 16V |
| C039 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C040 | 1-123-356-00 | ELECT | 10MF | 20% | 16V |
| C041 | 1-123-356-00 | ELECT | 10MF | 20% | 16V |
| C042 | 1-108-377-00 | MYLAR | 0.01MF | 10% | 100V |
| C043 | 1-123-382-00 | ELECT | 3.3MF | 20% | 50V |
| C044 | 1-123-379-00 | ELECT | 0.47MF | 20% | 50V |
| C052 | 1-108-385-00 | MYLAR | 0.047MF | 10% | 100V |
| C054 | 1-108-385-00 | MYLAR | 0.047MF | 10% | 100V |
| C071 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C074 | 1-123-328-00 | ELECT | 4.7MF | 20% | 25V |
| C076 | 1-123-333-00 | ELECT | 100MF | 20% | 16V |
| C080 | 1-123-356-00 | ELECT | 10MF | 20% | 16V |
| C091 | 1-232-266-00 | COMPOSITION CIRCUIT BLOCK | | | |
| C201 | 1-108-389-00 | MYLAR | 0.1MF | 10% | 100V |
| C203 | 1-123-356-00 | ELECT | 10MF | 20% | 25V |
| C206 | 1-123-328-00 | ELECT | 4.7MF | 20% | 25V |
| C207 | 1-102-529-00 | CERAMIC | 100PF | 5% | 50V |
| C208 | 1-102-527-00 | CERAMIC | 82PF | 5% | 50V |
| C209 | 1-102-947-00 | CERAMIC | 10PF | 5% | 50V |
| C210 | 1-102-527-00 | CERAMIC | 82PF | 5% | 50V |
| C211 | 1-102-529-00 | CERAMIC | 100PF | 5% | 50V |
| C212 | 1-161-377-00 | CERAMIC | 0.0047MF | 20% | 50V |
| C213 | 1-161-377-00 | CERAMIC | 0.0047MF | 20% | 50V |
| C214 | 1-161-377-00 | CERAMIC | 0.0047MF | 20% | 50V |
| C215 | 1-161-377-00 | CERAMIC | 0.0047MF | 20% | 50V |
| C217 | 1-161-377-00 | CERAMIC | 0.0047MF | 20% | 50V |
| C218 | 1-161-377-00 | CERAMIC | 0.0047MF | 20% | 50V |
| C219 | 1-161-377-00 | CERAMIC | 0.0047MF | 20% | 50V |
| C220 | 1-161-377-00 | CERAMIC | 0.0047MF | 20% | 50V |
| C221 | 1-161-377-00 | CERAMIC | 0.0047MF | 20% | 50V |
| C222 | 1-102-529-00 | CERAMIC | 100PF | 5% | 50V |
| C223 | 1-161-254-00 | CERAMIC | 3.9PF | 10% | 50V |

NOTE:

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A

| Ref.No | Part No | Description | | | Remark |
|---|---|---|---|---|---|
| C224 | 1-161-254-00 | CERAMIC | 3.9PF | 10% | 50V |
| C225 | 1-161-278-00 | CERAMIC | 8.2PF | 10% | 50V |
| C226 | 1-102-520-00 | CERAMIC | 39PF | 5% | 50V |
| C227 | 1-161-377-00 | CERAMIC | 0.0047MF | 20% | 50V |
| C228 | 1-123-318-00 | ELECT | 33MF | 20% | 16V |
| C229 | 1-161-377-00 | CERAMIC | 0.0047MF | 20% | 50V |
| C230 | 1-123-379-00 | ELECT | 0.47MF | 20% | 50V |
| C234 | 1-161-263-00 | CERAMIC | 22PF | 5% | 50V |
| C235 | 1-161-263-00 | CERAMIC | 22PF | 5% | 50V |
| C236 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V |
| C237 | 1-123-332-00 | ELECT | 47MF | 20% | 16V |
| C238 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C239 | 1-123-332-00 | ELECT | 47MF | 20% | 16V |
| C240 | 1-123-356-00 | ELECT | 10MF | 20% | 16V |
| C241 | 1-108-377-00 | MYLAR | 0.01MF | 10% | 100V |
| C246 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C248 | 1-161-330-21 | CERAMIC | 0.01MF | 30% | 25V |
| C254 | 1-161-285-00 | CERAMIC | 33PF | 5% | 50V |
| C255 | 1-102-963-00 | CERAMIC | 33PF | 5% | 50V |
| C256 | 1-123-356-00 | ELECT | 10MF | 20% | 25V |
| C258 | 1-108-385-00 | MYLAR | 0.047MF | 10% | 100V |
| C265 | 1-108-387-00 | MYLAR | 0.068MF | 10% | 100V |

FILTER

| | | |
|---|---|---|
| CF001 | 1-527-476-00 | OSCILLATOR, CERAMIC |
| CF201 | 1-409-333-00 | TRAP, CERAMIC (6.0MHZ) |
| CF202 | 1-527-262-00 | CERAMIC FILTER (6.0MHZ) |
| CF203 | 1-404-407-00 | DISCRIMINATOR |

DIODE

| | | |
|---|---|---|
| D001 | 8-719-911-19 | DIODE 1SS119 |
| D002 | 8-719-911-19 | DIODE 1SS119 |
| D007 | 8-759-157-40 | DIODE UPC574J |
| D009 | 8-719-911-19 | DIODE 1SS119 |
| D010 | 8-719-911-19 | DIODE 1SS119 |
| D022 | 8-719-911-19 | DIODE 1SS119 |
| D030 | 8-719-911-19 | DIODE 1SS119 |
| D036 | 8-719-911-19 | DIODE 1SS119 |
| D037 | 8-719-911-19 | DIODE 1SS119 |

IC

| | | |
|---|---|---|
| IC001 | 8-759-684-85 | IC M58485P |
| IC004 | 8-759-240-69 | IC TC4069UBP |
| IC005 | 8-750-000-55 | IC CX7915 |
| IC006 | 8-757-611-00 | IC CX761A |
| IC007 | 8-759-040-46 | IC MC14046BCP |
| IC008 | 8-759-240-12 | IC TC4012BP |
| IC009 | 8-759-140-11 | IC UPD4011BC |
| IC201 | 8-759-276-07 | IC TA7607AP |
| IC202 | 8-759-113-82 | IC UPC1382C |

JACK

| | | |
|---|---|---|
| J101 | 1-526-575-00 | SOCKET, PLUG |

| Ref.No | Part No | Description | Remark |
|---|---|---|---|

COIL

| | | |
|---|---|---|
| L001 | 1-407-717-00 | MICRO INDUCTOR 1MMH |
| L002 | 1-407-717-00 | MICRO INDUCTOR 1MMH |
| L003 | 1-407-687-00 | MICRO INDUCTOR 3.3UH |
| L200 | 1-407-693-00 | MICRO INDUCTOR 10UH |
| L201 | 1-404-068-00 | COIL, VIF |
| L202 | 1-404-068-00 | COIL, VIF |
| L203 | 1-407-682-00 | MICRO INDUCTOR 1.2UH |
| L204 | 1-407-687-00 | MICRO INDUCTOR 3.3UH |
| L205 | 1-404-207-00 | COIL, VIF |
| L206 | 1-404-203-00 | COIL, VIF |
| L207 | 1-404-289-00 | IFT |
| L208 | 1-407-690-00 | MICRO INDUCTOR 5.6UH |
| L209 | 1-407-693-00 | MICRO INDUCTOR 10UH |
| L210 | 1-407-696-00 | MICRO INDUCTOR 18UH |
| L211 | 1-407-690-00 | MICRO INDUCTOR 5.6UH |
| L212 | 1-407-695-00 | MICRO INDUCTOR 15UH |

TRANSISTOR

| | | |
|---|---|---|
| Q005 | 8-729-139-04 | TRANSISTOR 2N3904 |
| Q006 | 8-729-178-54 | TRANSISTOR 2SC2785 |
| Q007 | 8-729-178-54 | TRANSISTOR 2SC2785 |
| Q008 | 8-729-117-54 | TRANSISTOR 2SA1175 |
| Q010 | 8-729-117-54 | TRANSISTOR 2SA1175 |
| Q011 | 8-769-200-30 | TRANSISTOR 2SK107-3 |
| Q012 | 8-729-178-54 | TRANSISTOR 2SC2785 |
| Q013 | 8-729-178-54 | TRANSISTOR 2SC2785 |
| Q014 | 8-729-178-54 | TRANSISTOR 2SC2785 |
| Q021 | 8-729-178-54 | TRANSISTOR 2SC2785 |
| Q022 | 8-729-117-54 | TRANSISTOR 2SA1175 |
| Q023 | 8-729-117-54 | TRANSISTOR 2SA1175 |
| Q201 | 8-765-300-00 | TRANSISTOR 2SC2009 |
| Q202 | 8-729-178-54 | TRANSISTOR 2SC2785 |
| Q206 | 8-729-178-54 | TRANSISTOR 2SC2785 |

RESISTOR

| | | | | | |
|---|---|---|---|---|---|
| R001 | 1-247-835-00 | CARBON | 1.5K | 5% | 1/6W |
| R002 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W |
| R003 | 1-247-895-00 | CARBON | 470K | 5% | 1/6W |
| R004 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W |
| R005 | 1-247-887-00 | CARBON | 220K | 5% | 1/6W |
| R006 | 1-247-887-00 | CARBON | 220K | 5% | 1/6W |
| R007 | 1-247-887-00 | CARBON | 220K | 5% | 1/6W |
| R008 | 1-247-887-00 | CARBON | 220K | 5% | 1/6W |
| R009 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W |
| R010 | 1-247-849-00 | CARBON | 5.6K | 5% | 1/6W |
| R011 | 1-247-849-00 | CARBON | 5.6K | 5% | 1/6W |
| R012 | 1-247-849-00 | CARBON | 5.6K | 5% | 1/6W |
| R013 | 1-247-849-00 | CARBON | 5.6K | 5% | 1/6W |
| R014 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W |
| R015 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W |
| R016 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W |

A

| Ref.No | Part No | Description | | | | Remark |
|---|---|---|---|---|---|---|
| R017 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W | |
| R021 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R022 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W | |
| R023 | 1-246-537-00 | CARBON | 470K | 5% | 1/4W | |
| R024 | 1-246-499-00 | CARBON | 12K | 5% | 1/4W | |
| R026 | 1-246-489-00 | CARBON | 4.7K | 5% | 1/4W | |
| R027 | 1-246-495-00 | CARBON | 8.2K | 5% | 1/4W | |
| R028 | 1-217-394-00 | FUSIBLE | 39 | 5% | 1/4W | F |
| R029 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W | |
| R030 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R031 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W | |
| R032 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W | |
| R033 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W | |
| R038 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W | |
| R041 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R047 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R048 | 1-202-667-00 | SOLID | 8.2M | 10% | 1/2W | |
| R049 | 1-246-509-00 | CARBON | 33K | 5% | 1/4W | |
| R050 | 1-246-535-00 | CARBON | 390K | 5% | 1/4W | |
| R051 | 1-246-509-00 | CARBON | 33K | 5% | 1/4W | |
| R052 | 1-206-698-00 | METAL OXIDE | 27K | 5% | 2W | F |
| R053 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W | |
| R054 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R055 | 1-247-895-00 | CARBON | 470K | 5% | 1/6W | |
| R056 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W | |
| R057 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R058 | 1-247-887-00 | CARBON | 220K | 5% | 1/6W | |
| R059 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R060 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | |
| R061 | 1-247-881-00 | CARBON | 120K | 5% | 1/6W | |
| R062 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W | |
| R063 | 1-247-839-00 | CARBON | 2.2K | 5% | 1/6W | |
| R064 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W | |
| R065 | 1-202-463-00 | SOLID | 2.2M | 5% | 1/4W | |
| R066 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R067 | 1-247-861-00 | CARBON | 18K | 5% | 1/6W | |
| R069 | 1-247-881-00 | CARBON | 120K | 5% | 1/6W | |
| R070 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R071 | 1-247-901-00 | CARBON | 820K | 5% | 1/6W | |
| R072 | 1-247-887-00 | CARBON | 220K | 5% | 1/6W | |
| R073 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W | |
| R074 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R075 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W | |
| R076 | 1-247-861-00 | CARBON | 18K | 5% | 1/6W | |
| R077 | 1-247-847-00 | CARBON | 4.7K | 5% | 1/6W | |
| R078 | 1-247-895-00 | CARBON | 470K | 5% | 1/6W | |
| R079 | 1-247-903-00 | CARBON | 1M | 5% | 1/6W | |
| R080 | 1-247-903-00 | CARBON | 1M | 5% | 1/6W | |
| R081 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | |
| R082 | 1-247-889-00 | CARBON | 270K | 5% | 1/6W | |
| R083 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R084 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R085 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |

| Ref.No | Part No | Description | | | | Remark |
|---|---|---|---|---|---|---|
| R087 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R088 | 1-247-803-00 | CARBON | 68 | 5% | 1/6W | |
| R089 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R090 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R091 | 1-247-895-00 | CARBON | 470K | 5% | 1/6W | |
| R092 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R093 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R094 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R095 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R096 | 1-247-847-00 | CARBON | 4.7K | 5% | 1/6W | |
| R097 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W | |
| R098 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W | |
| R101 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W | |
| R102 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R103 | 1-247-865-00 | CARBON | 27K | 5% | 1/6W | |
| R104 | 1-247-865-00 | CARBON | 27K | 5% | 1/6W | |
| R105 | 1-247-865-00 | CARBON | 27K | 5% | 1/6W | |
| R106 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | |
| R107 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R108 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | |
| R109 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W | |
| R117 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R201 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R205 | 1-246-491-00 | CARBON | 5.6K | 5% | 1/4W | |
| R206 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W | |
| R207 | 1-246-465-00 | CARBON | 470 | 5% | 1/4W | |
| R208 | 1-246-457-00 | CARBON | 220 | 5% | 1/4W | |
| R209 | 1-246-435-00 | CARBON | 27 | 5% | 1/4W | |
| R210 | 1-246-479-00 | CARBON | 1.8K | 5% | 1/4W | |
| R211 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R212 | 1-246-519-00 | CARBON | 82K | 5% | 1/4W | |
| R213 | 1-247-841-00 | CARBON | 2.7K | 5% | 1/6W | |
| R214 | 1-247-835-00 | CARBON | 1.5K | 5% | 1/6W | |
| R215 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R216 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R218 | 1-246-543-00 | CARBON | 820K | 5% | 1/4W | |
| R219 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R220 | 1-247-815-00 | CARBON | 220 | 5% | 1/6W | |
| R221 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R222 | 1-247-815-00 | CARBON | 220 | 5% | 1/6W | |
| R223 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R224 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W | |
| R226 | 1-246-481-00 | CARBON | 2.2K | 5% | 1/4W | |
| R227 | 1-246-489-00 | CARBON | 4.7K | 5% | 1/4W | |
| R228 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W | |
| R230 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R231 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R232 | 1-246-465-00 | CARBON | 470 | 5% | 1/4W | |
| R233 | 1-246-457-00 | CARBON | 220 | 5% | 1/4W | |
| R243 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W | |
| R250 | 1-247-861-00 | CARBON | 18K | 5% | 1/6W | |
| R251 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | |
| R252 | 1-247-891-00 | CARBON | 330K | 5% | 1/6W | |

# A C

| Ref.No | Part No | Description | | | | Remark |
|---|---|---|---|---|---|---|
| R253 | 1-247-839-00 | CARBON | 2.2K | 5% | 1/6W | |
| R268 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R269 | 1-247-861-00 | CARBON | 18K | 5% | 1/6W | |
| | | VARIABLE RESISTOR | | | | |
| RV001 | 1-224-645-XX | RES, ADJ, CARBON 10K | | | | |
| RV201 | 1-224-644-XX | RES, ADJ, CARBON 4.7K | | | | |
| | | FILTER | | | | |
| SF201 | 1-404-345-00 | SAWF | | | | |
| | ♣:4-336-029-00 | PLATE, SHIELD, SF201 | | | | |
| ********** | | | | | | |
| | ♣:A-1330-390-A | C BOARD, COMPLETE | | | | |
| | | ********** | | | | |
| | 1-526-645-00 | SOCKET, CRT | | | | |
| | ♣:1-556-148-00 | CONNECTOR ASSY, MINIATURE 3P | | | | |
| | ♣:1-556-396-00 | CONNECTOR ASSY (2.5MM) 5P | | | | |
| | ♣:1-609-700-00 | C BOARD | | | | |
| | | CONNECTOR | | | | |
| C1 | ♣:1-508-765-00 | 3P PLUG (M) | | | | |
| C2 | ♣:1-508-786-00 | 2P PLUG (M) | | | | |
| | | CAPACITOR | | | | |
| C701 | 1-121-759-00 | ELECT | 4.7MF | | 250V | |
| C702 | 1-129-737-00 | FILM | 0.047MF | 20% | 630V | |
| C703 | 1-102-249-00 | CERAMIC | 680PF | 20% | 2KV | |
| C704 | 1-123-356-00 | ELECT | 10MF | 20% | 25V | |
| C705 | 1-108-433-00 | MYLAR | 0.1MF | 10% | 200V | |
| C706 | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V | |
| C707 | 1-102-822-00 | CERAMIC | 390PF | 5% | 50V | |
| C708 | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V | |
| C709 | 1-102-038-00 | CERAMIC | 0.001MF | | 500V | |
| C710 | 1-102-219-00 | CERAMIC | 680PF | 20% | 1KV | |
| C711 | 1-123-356-00 | ELECT | 10MF | 20% | 50V | |
| | | DIODE | | | | |
| D701 | 8-719-300-76 | DIODE RH1A | | | | |
| D702 | 8-719-300-76 | DIODE RH1A | | | | |
| D703 | 8-719-300-76 | DIODE RH1A | | | | |
| | | COIL | | | | |
| L701 | 1-407-166-XX | MICRO INDUCTOR 56UH | | | | |
| L702 | 1-407-166-XX | MICRO INDUCTOR 56UH | | | | |
| L703 | 1-407-166-XX | MICRO INDUCTOR 56UH | | | | |
| L704 | 1-407-701-00 | MICRO INDUCTOR 47UH | | | | |
| | | TRANSISTOR | | | | |
| Q701 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | |
| Q702 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | |
| Q703 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | |

| Ref.No | Part No | Description | | | | Remark |
|---|---|---|---|---|---|---|
| Q704 | 8-729-178-54 | TRANSISTOR 2SC2785 | | | | |
| Q705 | 8-729-178-54 | TRANSISTOR 2SC2785 | | | | |
| Q706 | 8-729-178-54 | TRANSISTOR 2SC2785 | | | | |
| | | RESISTOR | | | | |
| R701 | 1-246-461-00 | CARBON | 330 | 5% | 1/4W | |
| R702 | 1-246-482-00 | CARBON | 2.4K | 5% | 1/4W | |
| R703 | 1-206-743-00 | METAL OXIDE | 5.6K | 5% | 3W | F |
| R704 | 1-246-482-00 | CARBON | 2.4K | 5% | 1/4W | |
| R705 | 1-246-461-00 | CARBON | 330 | 5% | 1/4W | |
| R706 | 1-206-743-00 | METAL OXIDE | 5.6K | 5% | 3W | F |
| R707 | 1-246-461-00 | CARBON | 330 | 5% | 1/4W | |
| R708 | 1-246-482-00 | CARBON | 2.4K | 5% | 1/4W | |
| R709 | 1-206-743-00 | METAL OXIDE | 5.6K | 5% | 3W | F |
| R710 | 1-202-824-00 | SOLID | 3.3K | | 1/2W | |
| R711 | 1-202-722-51 | SOLID | 1.8M | 10% | 1/2W | |
| R713 | 1-202-824-00 | SOLID | 3.3K | | 1/2W | |
| R714 | 1-202-720-00 | SOLID | 1.2M | 10% | 1/2W | |
| R715 | 1-202-815-51 | SOLID | 47K | | 1/2W | |
| R716 | 1-202-824-00 | SOLID | 3.3K | | 1/2W | |
| R717 | 1-202-834-00 | SOLID | 27K | | 1/2W | |
| R718 | 1-202-549-00 | SOLID | 100 | 10% | 1/2W | |
| R719 | 1-202-842-51 | SOLID | 220K | | 1/2W | |
| R720 | 1-202-719-00 | SOLID | 1M | 10% | 1/2W | |
| R721 | 1-202-824-00 | SOLID | 3.3K | | 1/2W | |
| R722 | 1-202-719-00 | SOLID | 1M | 10% | 1/2W | |
| R724 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W | |
| R725 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W | |
| R726 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W | |
| R727 | 1-246-453-00 | CARBON | 150 | 5% | 1/4W | |
| R728 | 1-246-453-00 | CARBON | 150 | 5% | 1/4W | |
| R729 | 1-246-447-00 | CARBON | 82 | 5% | 1/4W | |
| R730 | 1-246-457-00 | CARBON | 220 | 5% | 1/4W | |
| R731 | 1-246-457-00 | CARBON | 220 | 5% | 1/4W | |
| R732 | 1-246-475-00 | CARBON | 1.2K | 5% | 1/4W | |
| R733 | 1-246-475-00 | CARBON | 1.2K | 5% | 1/4W | |
| R735 | 1-246-456-00 | CARBON | 200 | 5% | 1/4W | |
| R736 | 1-246-456-00 | CARBON | 200 | 5% | 1/4W | |
| R737 | 1-246-456-00 | CARBON | 200 | 5% | 1/4W | |
| R738 | 1-246-457-00 | CARBON | 220 | 5% | 1/4W | |
| R739 | 1-246-475-00 | CARBON | 1.2K | 5% | 1/4W | |
| R740 | 1-246-437-00 | CARBON | 33 | 5% | 1/4W | |
| R741 | 1-212-360-00 | METAL OXIDE | 1 | 5% | 1W | F |
| | | VARIABLE RESISTOR | | | | |
| RV701 | 1-224-644-XX | RES, ADJ, CARBON 4.7K | | | | |
| RV702 | 1-224-643-XX | RES, ADJ, CARBON 2.2K | | | | |
| RV703 | 1-224-644-XX | RES, ADJ, CARBON 4.7K | | | | |
| RV704 | 1-224-643-XX | RES, ADJ, CARBON 2.2K | | | | |
| RV705 | 1-224-644-XX | RES, ADJ, CARBON 4.7K | | | | |
| RV706 | 1-224-643-XX | RES, ADJ, CARBON 2.2K | | | | |
| RV707 | 1-226-114-00 | RES, ADJ, METAL GLAZE 2.2M | | | | |

| Ref.No | Part No | Description | | | | Remark |
|---|---|---|---|---|---|---|
| | ♣:1-609-701-00 | D2 BOARD<br>******** | | | | |
| | | CONNECTOR | | | | |
| D2-1 | ♣:1-560-278-00 | PLUG, CONNECTOR 5P | | | | |
| D2-2 | ♣:1-560-278-00 | PLUG, CONNECTOR 3P | | | | |
| D2-3 | ♣:1-560-721-21 | PLUG, CONNECTOR 2P | | | | |
| | | CAPACITOR | | | | |
| C801 | 1-108-393-00 | MYLAR | 0.22MF | 10% | 100V | |
| C802 | 1-108-385-00 | MYLAR | 0.047MF | 10% | 100V | |
| C803 | 1-108-385-00 | MYLAR | 0.047MF | 10% | 100V | |
| C804 | 1-123-360-00 | ELECT | 100MF | 20% | 50V | |
| C805 | 1-123-356-00 | ELECT | 10MF | 20% | 50V | |
| C806 | 1-123-356-00 | ELECT | 10MF | 20% | 50V | |
| C807 | 1-123-380-00 | ELECT | 1MF | 20% | 50V | |
| C808 | 1-123-252-00 | ELECT | 1MF | | 160V | |
| | | DIODE | | | | |
| D801 | 8-719-911-19 | DIODE 1SS119 | | | | |
| | | COIL | | | | |
| L801 | 1-408-244-00 | MICRO INDUCTOR 18MMH | | | | |
| L802 | 1-459-107-00 | COIL, DUST CORE | | | | |
| | | TRANSISTOR | | | | |
| Q801 | 8-729-313-82 | TRANSISTOR 2SD1138 | | | | |
| Q802 | 8-729-169-02 | TRANSISTOR 2SC2690A | | | | |
| Q803 | 8-729-117-54 | TRANSISTOR 2SA1175 | | | | |
| Q804 | 8-729-178-54 | TRANSISTOR 2SC2785 | | | | |
| | | RESISTOR | | | | |
| R801 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W | |
| R802 | 1-213-143-00 | METAL OXIDE | 1K | 5% | 1W | F |
| R804 | 1-247-012-00 | CARBON | 1K | 5% | 1/4W | F |
| R807 | 1-246-483-00 | CARBON | 2.7K | 5% | 1/4W | |
| R808 | 1-217-265-11 | WIREWOUND | 22 | 10% | 3W | F |
| R809 | 1-217-265-11 | WIREWOUND | 22 | 10% | 3W | F |
| R810 | 1-246-425-00 | CARBON | 10 | 5% | 1/4W | |
| R811 | 1-246-491-00 | CARBON | 5.6K | 5% | 1/4W | |
| R812 | 1-246-511-00 | CARBON | 39K | 5% | 1/4W | |
| R813 | 1-246-511-00 | CARBON | 39K | 5% | 1/4W | |
| R814 | 1-246-425-00 | CARBON | 10 | 5% | 1/4W | |
| R815 | 1-246-491-00 | CARBON | 5.6K | 5% | 1/4W | |
| R817 | 1-246-471-00 | CARBON | 820 | 5% | 1/4W | |
| R819 | 1-246-481-00 | CARBON | 2.2K | 5% | 1/4W | |
| R820 | 1-246-508-00 | CARBON | 30K | 5% | 1/4W | |
| | | VARIABLE RESISTOR | | | | |
| RV803 | 1-222-512-00 | RES, ADJ, CARBON 10K | | | | |
| RV806 | 1-221-970-XX | RES, ADJ, CARBON 500 | | | | |
| RV816 | 1-226-853-00 | RES, ADJ, CARBON 47K | | | | |

| Ref.No | Part No | Description | | | | Remark |
|---|---|---|---|---|---|---|
| | ♣:A-1345-398-A | D BOARD, COMPLETE<br>********** | | | | |
| | ♣:4-340-905-00 | HEAT SINK, V OUT | | | | |
| | ♣:4-364-749-00 | PLATE, SHIELD, F.B.T | | | | |
| | | CAPACITOR | | | | |
| C501 | 1-123-380-00 | ELECT | 1MF | 20% | 50V | |
| C502 | 1-123-380-00 | ELECT | 1MF | 20% | 50V | |
| C503 | 1-108-389-00 | MYLAR | 0.1MF | 10% | 100V | |
| C504 | 1-131-448-00 | TANTALUM | 1MF | 5% | 35V | |
| C505 | 1-123-324-00 | ELECT | 1000MF | 20% | 16V | |
| C506 | 1-123-321-00 | ELECT | 220MF | 20% | 16V | |
| C507 | 1-108-377-00 | MYLAR | 0.01MF | 10% | 100V | |
| C508 | 1-108-379-00 | MYLAR | 0.015MF | 10% | 100V | |
| C509 | 1-123-381-00 | ELECT | 2.2MF | 20% | 100V | |
| C510 | 1-161-959-00 | CERAMIC | 22PF | 10% | 500V | |
| C511 | 1-123-345-00 | ELECT | 100MF | 20% | 35V | |
| C512 | 1-123-369-00 | ELECT | 4.7MF | 20% | 50V | |
| C514 | 1-123-332-00 | ELECT | 47MF | 20% | 16V | |
| C515 | 1-123-332-00 | ELECT | 47MF | 20% | 16V | |
| C516 | 1-123-337-00 | ELECT | 1000MF | 20% | 25V | |
| C517 | 1-123-369-00 | ELECT | 4.7MF | 20% | 50V | |
| C518 | 1-131-539-00 | TANTALUM | 2.2MF | 5% | 20V | |
| C519 | 1-123-286-00 | ELECT | 0.33MF | 20% | 50V | |
| C520 | 1-123-447-00 | ELECT | 0.22MF | 20% | 50V | |
| C521 | 1-123-362-00 | ELECT | 330MF | 20% | 50V | |
| C522 | 1-123-356-00 | ELECT | 10MF | 20% | 25V | |
| C523 | 1-123-332-00 | ELECT | 47MF | 20% | 16V | |
| C524 | 1-108-369-00 | MYLAR | 0.0022MF | 10% | 100V | |
| C525 | 1-121-999-00 | ELECT | 10MF | | 160V | |
| C526 | 1-123-380-00 | ELECT | 1MF | 20% | 50V | |
| C527 | 1-108-382-00 | MYLAR | 0.027MF | 10% | 100V | |
| C528 | 1-108-382-00 | MYLAR | 0.027MF | 10% | 100V | |
| C529 | 1-123-380-00 | ELECT | 1MF | 20% | 50V | |
| C531 | 1-123-332-00 | ELECT | 47MF | 20% | 16V | |
| C535 | 1-123-330-00 | ELECT | 22MF | 20% | 16V | |
| C537 | 1-123-380-00 | ELECT | 1MF | 20% | 50V | |
| C538 | 1-108-387-00 | MYLAR | 0.068MF | 10% | 100V | |
| C539 | 1-102-121-00 | CERAMIC | 0.0022MF | 10% | 50V | |
| C540 | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V | |
| C541 | 1-102-820-00 | CERAMIC | 330PF | 5% | 50V | |
| C542 | 1-123-026-00 | ELECT | 2.2MF | | 160V | |
| C543 | 1-123-380-00 | ELECT | 1MF | 20% | 100V | |
| C544A | 1-161-830-00 | CERAMIC | 0.0047MF | | 500V | |
| C544B | 1-161-830-00 | CERAMIC | 0.0047MF | | 500V | |
| C545 | 1-123-380-00 | ELECT | 1MF | 20% | 50V | |
| C547 | 1-123-332-00 | ELECT | 47MF | 20% | 16V | |
| C549 | 1-123-330-00 | ELECT | 22MF | 20% | 16V | |
| C551 | 1-102-228-00 | CERAMIC | 470PF | 10% | 500V | |
| C552 | 1-108-377-00 | MYLAR | 0.01MF | 10% | 100V | |
| C559 | 1-108-579-00 | MYLAR | 0.01MF | 5% | 50V | |
| C560 | 1-123-318-00 | ELECT | 33MF | 20% | 16V | |
| C562 | 1-123-380-00 | ELECT | 1MF | 20% | 50V | |
| C601 | 1-123-332-00 | ELECT | 47MF | 20% | 25V | |

**D**

| Ref.No | Part No | Description | | | Remark |
|---|---|---|---|---|---|
| C603 | 1-108-251-00 | MYLAR | 0.1MF | 5% | 50V |
| C604 | 1-108-251-00 | MYLAR | 0.1MF | 5% | 50V |
| C605 | 1-108-251-00 | MYLAR | 0.1MF | 5% | 50V |
| C606 | 1-108-251-00 | MYLAR | 0.1MF | 5% | 50V |
| C802 | 1-123-379-00 | ELECT | 0.47MF | 20% | 50V |
| C803 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C804 | 1-108-377-00 | MYLAR | 0.01MF | 10% | 100V |
| C805 | 1-123-331-00 | ELECT | 33MF | 20% | 25V |
| C806 | 1-123-331-00 | ELECT | 33MF | 20% | 25V |
| C807 | 1-108-567-00 | MYLAR | 0.0033MF | 5% | 50V |
| C808 | 1-130-022-00 | FILM | 0.0022MF | 5% | 50V |
| C809 | 1-123-357-00 | ELECT | 22MF | 20% | 50V |
| C810 | 1-121-246-00 | ELECT | 4.7MF | | 160V |
| C811 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V |
| C812 | 1-108-389-00 | MYLAR | 0.1MF | 10% | 100V |
| C813 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C814 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C815 | 1-108-387-00 | MYLAR | 0.068MF | 10% | 100V |
| C816 | 1-121-806-00 | ELECT | 10MF | | 16V |
| C817 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C818 | 1-102-820-00 | CERAMIC | 330PF | 5% | 50V |
| C819 | 1-108-689-11 | MYLAR | 0.0056MF | 10% | 200V |
| C820 | 1-101-810-00 | CERAMIC | 100PF | 5% | 500V |
| C822 | 1-123-003-00 | ELECT | 1MF | | 250V |
| C823 | 1-130-069-00 | FILM | 0.43MF | 5% | 200V |
| C825 | 1-123-346-00 | ELECT | 220MF | 20% | 35V |
| C826 | 1-129-706-00 | FILM | 0.0022MF | 10% | 630V |
| C827 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V |
| C828 | 1-121-999-00 | ELECT | 10MF | | 160V |
| C829 | 1-123-024-00 | ELECT | 33MF | | 160V |
| C830 | 1-108-429-00 | MYLAR | 0.047MF | 10% | 200V |
| C832 ⚠ | 1-161-753-11 | CERAMIC | 470PF | 10% | 3KV |
| C833 | 1-123-379-00 | ELECT | 0.47MF | 20% | 50V |
| C834 | 1-102-212-00 | CERAMIC | 820PF | 10% | 500V |
| C835 | 1-108-369-00 | MYLAR | 0.0022MF | 10% | 100V |
| C836 | 1-102-531-00 | CERAMIC | 150PF | 5% | 50V |
| C837 | 1-123-586-00 | ELECT | 0.1MF | 20% | 50V |
| C838 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C839 | 1-123-331-00 | ELECT | 33MF | 20% | 25V |
| C841 ⚠ | 1-161-961-11 | CERAMIC | 0.0022MF | 10% | 3KV |
| C843 | 1-123-369-00 | ELECT | 4.7MF | 20% | 50V |
| C844 | 1-108-385-00 | MYLAR | 0.047MF | 10% | 100V |
| C845 ⚠ | 1-108-702-11 | MYLAR | 0.068MF | 10% | 200V |
| C846 ⚠ | 1-136-044-11 | FILM | 0.0017MF | 3% | 1.6KV |
| C847 ⚠ | 1-136-044-11 | FILM | 0.0017MF | 3% | 1.6KV |
| C848 ⚠ | 1-136-044-11 | FILM | 0.0017MF | 3% | 1.6KV |
| C850 | 1-102-030-00 | CERAMIC | 330PF | 10% | 500V |
| C854 | 1-102-223-00 | CERAMIC | 0.0047MF | 20% | 1.6KV |
| C855 | 1-123-381-00 | ELECT | 2.2MF | 20% | 50V |
| C856 | 1-108-373-00 | MYLAR | 0.0047MF | 10% | 100V |
| C857 | 1-123-357-00 | ELECT | 22MF | 20% | 50V |
| C858 | 1-121-999-00 | ELECT | 10MF | | 160V |
| C859 | 1-123-357-00 | ELECT | 22MF | 20% | 50V |

| Ref.No | Part No | Description | | | Remark |
|---|---|---|---|---|---|
| C860 | 1-102-816-00 | CERAMIC | 120PF | 5% | 50V |
| C861 | 1-108-684-61 | MYLAR | 0.0022MF | 10% | 200V |
| C862 | 1-102-824-00 | CERAMIC | 470PF | 5% | 50V |
| C863 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C864 | 1-102-976-00 | CERAMIC | 180PF | 5% | 50V |
| C875 | 1-108-377-00 | MYLAR | 0.01MF | 10% | 100V |

CONNECTOR

| | | |
|---|---|---|
| D1 | ♣:1-508-766-00 | 4P PLUG (M) |
| D3 | ♣:1-508-765-00 | 3P PLUG (M) |
| D4 | ♣:1-560-124-00 | PLUG, CONNECTOR (2.5MM) 4P |
| D5 | ♣:1-560-125-00 | PLUG, CONNECTOR (2.5MM) 5P |
| D6 | ♣:1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) |
| D7 | ♣:1-508-765-00 | 3P PLUG (M) |
| D9 | ♣:1-560-127-00 | PLUG, CONNECTOR (2.5MM) 7P |
| D10 | ♣:1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) |
| D12 | ♣:1-508-768-00 | 6P PLUG |
| D13 | ♣:1-508-765-00 | 3P PLUG (M) |
| D15 | ♣:1-560-127-00 | PLUG, CONNECTOR (2.5MM) 7P |
| D17 | ♣:1-560-125-00 | PLUG, CONNECTOR (2.5MM) 5P |
| D18 | ♣:1-560-123-00 | PLUG, CONNECTOR (2.5MM) 3P |

DIODE

| | | |
|---|---|---|
| D501 | 8-719-911-19 | DIODE 1SS119 |
| D502 | 8-719-911-19 | DIODE 1SS119 |
| D503 | 8-719-101-85 | DIODE RD13E-L1 |
| D504 | 8-719-300-45 | DIODE EM-1Z |
| D505 | 8-719-911-19 | DIODE 1SS119 |
| D507 | 8-719-911-19 | DIODE 1SS119 |
| D508 | 8-719-911-19 | DIODE 1SS119 |
| D509 | 8-719-911-19 | DIODE 1SS119 |
| D515 | 8-719-911-55 | DIODE U05G |
| D801 | 8-719-100-80 | DIODE RD20E-B2 |
| D802 | 8-719-300-45 | DIODE EM-1Z |
| D803 | 8-719-300-76 | DIODE RH-1 |
| D804 | 8-719-300-76 | DIODE RH-1 |
| D805 | 8-719-901-93 | DIODE V19E |
| D806 | 8-719-300-76 | DIODE RH1A |
| D807 | 8-719-903-09 | DIODE V30N |
| D809 | 8-719-901-93 | DIODE V19E |
| D810 | 8-719-911-19 | DIODE 1SS119 |
| D811 | 8-719-911-19 | DIODE 1SS119 |
| D812 | 8-719-100-30 | DIODE RD5.1E-B2 |
| D816 | 8-719-911-19 | DIODE 1SS119 |
| D817 | 8-719-300-76 | DIODE RH-1A |
| D819 | 8-719-300-76 | DIODE RH-1A |
| D820 | 8-719-911-19 | DIODE 1SS119 |
| D821 | 8-719-911-19 | DIODE 1SS119 |
| D822 | 8-719-911-19 | DIODE 1SS119 |

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

D

| Ref.No | Part No | Description | Remark |
|---|---|---|---|
| | | **CONNECTOR** | |
| DY1 | ♦:1-506-347-21 | 4P PLUG | |
| DY2 | ♦:1-506-347-21 | 4P PLUG | |
| | | **IC** | |
| IC501 | 8-759-878-03 | IC LA7802 | |
| IC502 | 8-759-113-58 | IC UPC1358H | |
| IC503 | 8-759-979-16 | IC CX7916 | |
| IC505 | 8-759-145-58 | IC UPC4558C | |
| IC506 | 8-719-907-13 | DIODE PC713 | |
| IC801 | 8-759-240-11 | IC TC4011BP | |
| | | **PLUG** | |
| JK501 | 1-526-575-00 | SOCKET, PLUG | |
| | | **COIL** | |
| L801 | 1-408-247-00 | MICRO INDUCTOR 33MMH | |
| L802 | 1-408-247-00 | MICRO INDUCTOR 33MMH | |
| L803 | ⚠1-459-451-11 | COIL, FERRITE | |
| L804 | ⚠1-459-261-11 | COIL, VARIABLE | |
| L808 | 1-407-501-31 | MICRO INDUCTOR 5.6MMH | |
| L809 | 1-407-841-00 | COIL | |
| L811 | 1-407-166-XX | MICRO INDUCTOR 56UH | |
| L812 | 1-459-155-00 | COIL (WITH CORE) 45MH | |
| L813 | 1-407-364-00 | COIL, SPOOK CHOKE | |
| L814 | 1-408-349-00 | COIL, CHOKE | |
| L815 | 1-407-494-00 | MICRO INDUCTOR 1.5MMH | |
| L816 | ⚠1-459-457-11 | COIL, VARIABLE | |
| L817 | 1-407-693-00 | MICRO INDUCTOR 10UH | |
| L818 | 1-407-501-31 | MICRO INDUCTOR 5.6MMH | |
| | | **TRANSISTOR** | |
| Q501 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q502 | 8-729-313-42 | TRANSISTOR 2SD1134 | |
| Q503 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q504 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q505 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q506 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q507 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q508 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q509 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q510 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q512 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q514 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q515 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q516 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q518 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q519 | 8-729-117-54 | TRANSISTOR 2SA1175 | |
| Q520 | 8-729-309-08 | TRANSISTOR 2SC1890A | |
| Q521 | 8-729-238-32 | TRANSISTOR 2SC2383 | |
| Q522 | 8-729-201-32 | TRANSISTOR 2SA1013 | |
| Q801 | 8-729-168-82 | TRANSISTOR 2SC2688 | |

| Ref.No | Part No | Description | Remark |
|---|---|---|---|
| Q802 | 8-729-177-43 | TRANSISTOR 2SD774 | |
| Q803 | 8-729-287-00 | TRANSISTOR 2SD870 | |
| | 3-701-353-00 | SPACER, MICA, Q803 | |
| | 3-701-609-00 | BUSHING (B), TR, Q803 | |
| | ♦:4-314-938-01 | RETAINER (TO-3), TRANSISTOR, Q803 | |
| | ♦:4-336-010-00 | HEAT SINK, Q803 | |
| Q805 | 8-729-178-54 | TRANSISTOR 2SC2785 | |
| Q807 | 8-729-213-11 | TRANSISTOR 2SC2230A | |
| Q808 | 8-729-177-43 | TRANSISTOR 2SD774 | |
| Q809 | 8-729-177-43 | TRANSISTOR 2SD774 | |
| Q810 | 8-729-612-77 | TRANSISTOR 2SA1027R | |
| | | **RESISTOR** | |
| R501 | 1-247-831-00 | CARBON 1K 5% 1/6W | |
| R502 | 1-247-869-00 | CARBON 39K 5% 1/6W | |
| R503 | 1-247-897-00 | CARBON 560K 5% 1/6W | |
| R504 | 1-247-833-00 | CARBON 1.2K 5% 1/6W | |
| R505 | 1-247-839-00 | CARBON 2.2K 5% 1/6W | |
| R506 | 1-247-887-00 | CARBON 220K 5% 1/6W | |
| R508 | 1-247-831-00 | CARBON 1K 5% 1/6W | |
| R509 | 1-247-855-00 | CARBON 10K 5% 1/6W | |
| R510 | 1-246-458-00 | CARBON 240 5% 1/4W | |
| R511 | 1-215-471-00 | METAL 120K 1% 1/6W | |
| R512 | 1-212-970-51 | FUSIBLE 33 5% 1/2W | F |
| R513 | 1-217-477-00 | FUSIBLE 4.7 5% 1W | F |
| R514 | 1-247-829-00 | CARBON 820 5% 1/6W | |
| R515 | 1-215-466-31 | METAL 75K 1% 1/6W | |
| R516 | 1-247-839-00 | CARBON 2.2K 5% 1/6W | |
| R517 | 1-247-819-00 | CARBON 330 5% 1/6W | |
| R519 | 1-215-458-31 | METAL 36K 1% 1/6W | |
| R520 | 1-247-871-00 | CARBON 47K 5% 1/6W | |
| R521 | 1-212-363-00 | METAL OXIDE 1.8 5% 1W | F |
| R522 | 1-247-850-00 | CARBON 6.2K 5% 1/6W | |
| R523 | 1-247-883-00 | CARBON 150K 5% 1/6W | |
| R524 | 1-247-831-00 | CARBON 1K 5% 1/6W | |
| R525 | 1-247-841-00 | CARBON 2.7K 5% 1/6W | |
| R527 | 1-247-844-00 | CARBON 3.6K 5% 1/6W | |
| R529 | 1-247-841-00 | CARBON 2.7K 5% 1/6W | |
| R530 | 1-247-849-00 | CARBON 5.6K 5% 1/6W | |
| R531 | 1-247-855-00 | CARBON 10K 5% 1/6W | |
| R532 | 1-247-862-00 | CARBON 20K 5% 1/6W | |
| R533 | 1-247-843-00 | CARBON 3.3K 5% 1/6W | |
| R534 | 1-247-843-00 | CARBON 3.3K 5% 1/6W | |
| R535 | 1-247-855-00 | CARBON 10K 5% 1/6W | |
| R536 | 1-247-855-00 | CARBON 10K 5% 1/6W | |
| R537 | 1-246-465-00 | CARBON 470 5% 1/4W | |
| R538 | 1-215-481-31 | METAL 330K 1% 1/6W | |
| R539 | 1-247-876-00 | CARBON 75K 5% 1/6W | |
| R540 | 1-247-839-00 | CARBON 2.2K 5% 1/6W | |
| R541 | 1-247-839-00 | CARBON 2.2K 5% 1/6W | |
| R542 | 1-247-867-00 | CARBON 33K 5% 1/6W | |
| R543 | 1-247-831-00 | CARBON 1K 5% 1/6W | |
| R544 | 1-247-831-00 | CARBON 1K 5% 1/6W | |

NOTE:

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**D**

| Ref.No | Part No | Description | | | | Remark |
|---|---|---|---|---|---|---|
| R545 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W | |
| R546 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R547 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W | |
| R548 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R549 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | |
| R552 | 1-247-872-00 | CARBON | 51K | 5% | 1/6W | |
| R553 | 1-247-847-00 | CARBON | 4.7K | 5% | 1/6W | |
| R554 | 1-247-861-00 | CARBON | 18K | 5% | 1/6W | |
| R555 | 1-247-841-00 | CARBON | 2.7K | 5% | 1/6W | |
| R563 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R564 | 1-247-852-00 | CARBON | 7.5K | 5% | 1/6W | |
| R565 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | |
| R566 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R567 | 1-247-825-00 | CARBON | 560 | 5% | 1/6W | |
| R568 | 1-247-840-00 | CARBON | 2.4K | 5% | 1/6W | |
| R569 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R570 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R571 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R572 | 1-247-889-00 | CARBON | 270K | 5% | 1/6W | |
| R573 | 1-247-865-00 | CARBON | 27K | 5% | 1/6W | |
| R574 | 1-247-835-00 | CARBON | 1.5K | 5% | 1/6W | |
| R575 | 1-247-851-00 | CARBON | 6.8K | 5% | 1/6W | |
| R576 | 1-247-840-00 | CARBON | 2.4K | 5% | 1/6W | |
| R581 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R582 | 1-211-602-00 | CARBON | 33 | 5% | 1/2W | F |
| R583 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R584 | 1-247-878-00 | CARBON | 91K | 5% | 1/6W | |
| R585 | 1-212-992-00 | FUSIBLE | 270 | 5% | 1/2W | F |
| R586 | 1-246-507-00 | CARBON | 27K | 5% | 1/4W | |
| R587 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W | |
| R589 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R590 | 1-247-827-00 | CARBON | 680 | 5% | 1/6W | |
| R591 | 1-211-602-00 | CARBON | 33 | 5% | 1/2W | F |
| R592 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | |
| R594 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R595 | 1-247-873-00 | CARBON | 56K | 5% | 1/6W | |
| R597 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | |
| R599 | 1-215-454-00 | METAL | 24K | 1% | 1/6W | |
| R601 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | |
| R602 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R603 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R604 | 1-202-649-15 | SOLID | 1.5M | 5% | 1/2W | |
| R606 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | |
| R607 | 1-213-137-00 | METAL OXIDE | 330 | 5% | 1W | F |
| R608 | 1-213-137-00 | METAL OXIDE | 330 | 5% | 1W | F |
| R612 | 1-212-861-11 | FUSIBLE | 15 | 5% | 1/4W | F |
| R613 | 1-247-829-00 | CARBON | 820 | 5% | 1/6W | |
| R616 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | |
| R619 | 1-247-852-00 | CARBON | 7.5K | 5% | 1/6W | |
| R801 | 1-247-852-00 | CARBON | 7.5K | 5% | 1/6W | |
| R802 | 1-247-869-00 | CARBON | 39K | 5% | 1/6W | |
| R804 | 1-206-746-00 | METAL OXIDE | 7.5K | 5% | 3W | F |
| R808 | 1-247-799-00 | CARBON | 47 | 5% | 1/6W | |

| Ref.No | Part No | Description | | | | Remark |
|---|---|---|---|---|---|---|
| R809 | 1-247-822-00 | CARBON | 430 | 5% | 1/6W | |
| R810 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W | |
| R811 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R812 | 1-212-358-51 | METAL OXIDE | 0.68 | 5% | 1W | F |
| R813 | 1-247-822-00 | CARBON | 430 | 5% | 1/6W | |
| R814 | 1-246-483-00 | CARBON | 2.7K | 5% | 1/4W | |
| R815 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R816 | 1-247-859-00 | CARBON | 15K | 5% | 1/6W | |
| R817 | 1-247-864-00 | CARBON | 24K | 5% | 1/6W | |
| R818 | 1-247-439-00 | CARBON | 8.2K | 5% | 1/8W | |
| R819 | 1-247-012-00 | CARBON | 1K | 5% | 1/4W | F |
| R820 | 1-247-659-00 | CARBON | 68 | 5% | 1/4W | F |
| R821 | 1-213-129-00 | METAL OXIDE | 68 | 5% | 1W | F |
| R822 | 1-213-143-00 | METAL OXIDE | 1K | 5% | 1W | F |
| R823 | 1-213-141-00 | METAL OXIDE | 680 | 5% | 1W | F |
| R825 | 1-244-925-00 | CARBON | 150K | 5% | 1/2W | |
| R828B | 1-244-923-00 | CARBON | 120K | 5% | 1/2W | |
| R830 | 1-247-614-00 | CARBON | 3.3K | 5% | 1/8W | |
| R831 | 1-213-143-00 | METAL OXIDE | 1K | 5% | 1W | F |
| R832 | 1-247-840-00 | CARBON | 2.4K | 5% | 1/6W | |
| R833 | 1-247-662-00 | CARBON | 560 | 5% | 1/4W | F |
| R834 | 1-244-861-00 | CARBON | 330 | 5% | 1/2W | |
| R835 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R838 | 1-247-840-00 | CARBON | 2.4K | 5% | 1/6W | |
| R839 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R840 | 1-247-838-00 | CARBON | 2K | 5% | 1/6W | |
| R841 | 1-247-824-00 | CARBON | 510 | 5% | 1/6W | |
| R842 | 1-247-839-00 | CARBON | 2.2K | 5% | 1/6W | |
| R843 | 1-247-889-00 | CARBON | 270K | 5% | 1/6W | |
| R844 | 1-247-883-00 | CARBON | 62K | 5% | 1/6W | |
| *R846 | 1-247-862-00 | CARBON | 20K | 5% | 1/6W | |
| *R846 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| *R846 | 1-247-864-00 | CARBON | 24K | 5% | 1/6W | |
| *R846 | 1-247-865-00 | CARBON | 27K | 5% | 1/6W | |
| *R846 | 1-247-866-00 | CARBON | 30K | 5% | 1/6W | |
| *R846 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| *R846 | 1-247-869-00 | CARBON | 39K | 5% | 1/6W | |
| *R846 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W | |
| *R846 | 1-247-873-00 | CARBON | 56K | 5% | 1/6W | |
| *R846 | 1-247-875-00 | CARBON | 68K | 5% | 1/6W | |
| R847 | 1-247-851-00 | CARBON | 6.8K | 5% | 1/6W | |
| R848 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W | |
| R849 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W | |
| R850 | 1-247-850-00 | CARBON | 6.2K | 5% | 1/6W | |
| R851 | 1-247-859-00 | CARBON | 15K | 5% | 1/6W | |
| R852 | 1-247-849-00 | CARBON | 5.6K | 5% | 1/6W | |
| R853 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R854 | 1-206-745-00 | METAL OXIDE | 6.8K | 5% | 3W | F |
| R855 | 1-247-873-00 | CARBON | 56K | 5% | 1/6W | |
| R856 | 1-247-858-00 | CARBON | 13K | 5% | 1/6W | |
| R857 | 1-217-418-00 | FUSIBLE | 0.47 | 5% | 1/2W | F |
| R858 | 1-217-418-00 | FUSIBLE | 0.47 | 5% | 1/2W | F |
| R859 | 1-247-800-00 | CARBON | 51 | 5% | 1/6W | |

**D** **H**

| Ref.No | Part No | Description | | | | Remark |
|---|---|---|---|---|---|---|
| R860 | 1-247-861-00 | CARBON | 18K | 5% | 1/6W | |
| R861 | 1-247-890-00 | CARBON | 300K | 5% | 1/6W | |
| R862 | 1-246-509-00 | CARBON | 33K | 5% | 1/4W | |
| R863 | 1-247-861-00 | CARBON | 18K | 5% | 1/6W | |
| R864 | 1-247-867-00 | CARBON | 33K | 5% | 1/6W | |
| R865 | 1-211-533-00 | CARBON | 300 | 5% | 1/4W | F |
| R868 | 1-247-646-00 | CARBON | 1 | 5% | 1/4W | F |
| R869 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R870 | 1-247-646-00 | CARBON | 1 | 5% | 1/4W | F |
| R871 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | |
| R872 | 1-213-149-00 | METAL OXIDE | 3.3 | 5% | 1W | F |
| R828A | 1-244-923-00 | CARBON | 120K | 5% | 1/2W | |
| R829A | 1-214-879-00 | METAL | 4.3K | 1% | 1/2W | |
| R829B | 1-214-880-00 | METAL | 4.7K | 1% | 1/2W | |

VARIABLE RESISTOR

| | | | |
|---|---|---|---|
| RV501 | 1-226-136-00 | RES, ADJ, CARBON 10K | |
| RV503 | 1-244-965-00 | RES, ADJ, CARBON 470 | |
| RV504 | 1-226-774-00 | RES, ADJ, METAL GLAZE 47K | |
| RV506 | 1-223-021-00 | RES, ADJ, WIREWOUND 1K | |
| RV801 | 1-228-160-11 | RES, ADJ, METAL GLAZE 5K | |
| RV802 | 1-226-851-00 | RES, ADJ, CARBON 10K | |
| RV803 | 1-226-057-00 | RES, ADJ, CARBON 22K | |
| RV804 | 1-228-577-00 | RES, ADJ, CARBON 220 | |

SPARK GAP

| | | |
|---|---|---|
| SG801 | 1-519-063-XX | DISCHARGING GAP |

TRANSFORMER

| | | |
|---|---|---|
| T501 | 1-427-512-00 | TRANSFORMER, INPUT/OUTPUT |
| T801 | 1-437-090-00 | HDT |
| T802 ⚠ | 1-439-308-11 | TRANSFORMER, ASSY FLYBACK |
| T803 ⚠ | 1-421-583-11 | TRANSFORMER, FERRITE (HPCT) |

**********

| | | |
|---|---|---|
| ♣: | 1-609-423-00 | H BOARD |
| | | ******* |
| ♣: | 1-555-499-00 | CONNECTOR (2.5MM) 4P |
| ♣: | 1-556-321-00 | CONNECTOR ASSY (2.5MM) 7P |
| ♣: | 1-556-338-00 | COINNECTOR ASSY (2.5MM) 3P |
| ♣: | 1-556-398-00 | CONNECTOR ASSY (2.5MM) 5P |
| ♣: | 1-556-584-00 | CONNECTOR ASSY (2.5MM) 2P |
| ♣: | 1-556-879-00 | CONNECTOR ASSY (2.5MM) 10P |
| ♣: | 4-364-712-00 | HOLDER (3 GANG), LED |
| | 4-364-730-00 | KNOB, SLIDE |
| ♣: | 4-364-731-00 | HOLDER, LED |
| ♣: | 4-364-732-00 | HOLDER (4 GANG), LED |

CAPACITOR

| | | | | | |
|---|---|---|---|---|---|
| C401 | 1-108-377-00 | MYLAR | 0.01MF | 10% | 100V |
| C402 | 1-123-617-00 | ELECT | 10MF | 20% | 16V |
| C403 | 1-108-377-00 | MYLAR | 0.01MF | 10% | 100V |
| C404 | 1-123-330-00 | ELECT | 22MF | 20% | 16V |
| C405 | 1-123-617-00 | ELECT | 10MF | 20% | 16V |
| C406 | 1-108-377-00 | MYLAR | 0.01MF | 10% | 100V |

DIODE

| | | |
|---|---|---|
| D404 | 8-719-812-31 | DIODE TLR123 |
| D405 | 8-719-812-31 | DIODE TLR123 |
| D406 | 8-719-812-31 | DIODE TLR123 |
| D407 | 8-719-812-31 | DIODE TLR123 |
| D408 | 8-719-812-31 | DIODE TLR123 |
| D409 | 8-719-156-25 | DIODE RD5.6E-B2Z |
| D410 | 8-719-803-20 | DIODE TLR320 |
| ♣: | 1-526-638-21 | SOCKET, IC 9P, D410 |
| D411 | 8-719-114-34 | DIODE SY432D |
| D412 | 8-719-114-34 | DIODE SY432D |
| D413 | 8-719-114-34 | DIODE SY432D |
| D414 | 8-719-114-34 | DIODE SY432D |
| D415 | 8-719-114-34 | DIODE SY432D |
| D416 | 8-719-114-34 | DIODE SY432D |
| D417 | 8-719-114-34 | DIODE SY432D |

IC

| | | |
|---|---|---|
| IC401 | 8-759-619-03 | IC M51903L |
| IC402 | 8-759-997-64 | IC SN29764N |

TRANSISTOR

| | | |
|---|---|---|
| Q401 | 8-729-313-42 | TRANSISTOR 2SD1134 |

RESISTOR

| | | | | | |
|---|---|---|---|---|---|
| R404 | 1-247-839-00 | CARBON | 2.2K | 5% | 1/6W |
| R405 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W |
| R406 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W |
| R407 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W |
| R408 | 1-247-887-00 | CARBON | 220K | 5% | 1/6W |
| R409 | 1-247-849-00 | CARBON | 5.6K | 5% | 1/6W |
| R410 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W |
| R411 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W |
| R412 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W |
| R413 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W |
| R414 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W |

VARIABLE RESISTOR

| | | |
|---|---|---|
| RV401 | 1-228-937-00 | RES, VAR, CARBON 20K |
| RV402 | 1-228-937-00 | RES, VAR, CARBON 20K |
| RV403 | 1-228-937-00 | RES, VAR, CARBON 20K |
| RV404 | 1-228-936-00 | RES, VAR, CARBON 10K |
| RV405 | 1-228-936-00 | RES, VAR, CARBON 10K |
| RV406 | 1-228-938-00 | RES, VAR, CARBON 20K |

SWITCH

| | | |
|---|---|---|
| S401 | 1-553-363-00 | SWITCH, PUSH |
| S402 | 1-553-363-00 | SWITCH, PUSH |
| S403 | 1-553-363-00 | SWITCH, PUSH |

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

H

| Ref.No | Part No | Description | Remark |
|---|---|---|---|
| S404 | 1-553-363-00 | SWITCH, PUSH | |
| S405 | 1-553-363-00 | SWITCH, PUSH | |
| S406 | 1-553-537-21 | SWITCH, SLIDE | |
| S407 | 1-553-537-21 | SWITCH, SLIDE | |
| S408 | 1-554-118-00 | SWITCH, PUSH | |
| S409 | 1-554-404-00 | SWITCH, PUSH (3 KEY) | |
| S410 | 1-552-774-00 | SWITCH, PUSH | |
| S411 | 1-552-774-00 | SWITCH, PUSH | |
| S412 | 1-552-774-00 | SWITCH, PUSH | |
| S413 | 1-552-774-00 | SWITCH, PUSH | |

**********

MISCELLANEOUS
**********

| | | | |
|---|---|---|---|
| ⚠ | 1-162-142-21 | CAP BLOCK, HIGH VOLTAGE | |
| ⚠ | 1-228-482-12 | RESISTOR ASSY, HIGH-VOLTAGE | |
| | 1-452-032-00 | MAGNET, DISK; 10MM ϕ | |
| | 1-452-094-00 | MAGNET, ROTATABLE DISK; 15MM ϕ | |
| | 1-452-146-00 | MAGNET, BMC | |
| ⚠ | 1-452-214-12 | CRT NECK ASSY (H TYPE) | |
| ⚠ | 1-463-371-12 | TUNER (BT-882) | |
| ♦ | 1-509-779-00 | 6P CONNECTOR ASSY | |
| ⚠ | 1-536-494-11 | ANT TERMINAL ASSY | |
| ♦ | 1-551-489-00 | CABLE, WITH CABLE | |
| ♦ | 1-551-604-00 | CONNECTOR ASSY, MINIATURE 3P | |
| ♦ | 1-551-616-00 | CONNECTOR ASSY, MINIATURE 4P | |
| ♦ | 1-551-854-00 | CONNECTOR ASSY 1P | |
| ♦ | 1-555-200-00 | CONNECTOR ASSY (2.5MM) 4P | |
| ♦ | 1-555-345-00 | CONNECTOR ASSY (2.5MM) 2P | |
| ♦ | 1-555-348-00 | CONNECTOR, MINIATURE 1P | |
| ♦ | 1-555-400-81 | CABLE, PIN | |
| ♦ | 1-555-439-00 | CONNECTOR ASSY (LARGE) 3P | |
| ♦ | 1-555-836-00 | CONNECTOR ASSY (2.5MM) 7P | |
| ♦ | 1-555-957-00 | CONNECTOR ASSY (2.5MM) 2P | |
| ♦ | 1-555-962-00 | CONNECTOR ASSY (2.5MM) 5P | |
| ♦ | 1-555-965-00 | CONNECTOR ASSY (2.5MM) 5P | |
| ♦ | 1-555-973-00 | CONNECTOR ASSY (LARGE) 4P | |
| ♦ | 1-556-016-00 | CONNECTOR ASSY (2.5MM) 3P | |
| ♦ | 1-556-148-00 | CONNECTOR ASSY, MINIATURE 3P | |
| L901 | ⚠ 1-451-160-32 | DEFLECTION YOKE (SY-97) | |
| L902 | ⚠ 1-426-086-12 | COIL, DEGAUSSING | |
| L903 | ⚠ 1-426-086-12 | COIL, DEGAUSSING | |
| S901 | ⚠ 1-553-225-12 | SWITCH, PUSH | |
| SP901 | 1-503-109-00 | SPEAKER | |
| V901 | ⚠ 8-738-312-05 | CRT (330YB22) | |

ACCESSORIES AND PACKING MATERIALS
**********

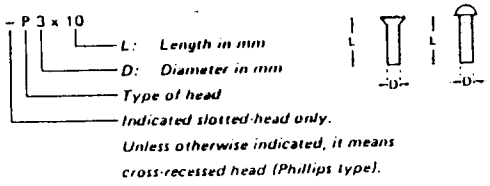
| Part.No | Description | Remark |
|---|---|---|
| 1-508-955-00 | PLUG, ANTENNA | |
| 4-316-037-00 | BAG, POLYETHYLENE | |
| 4-364-734-00 | CUSHION (UPPER) (ASSY) | |
| 4-364-735-00 | CUSHION (LOWER) (ASSY) | |
| 4-364-748-00 | INDIVIDUAL CARTON | |
| 4-493-782-41 | MANUAL, INSTRUCTION | |

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

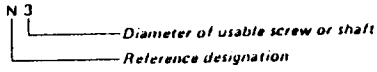
# HARDWARE NOMENCLATURE

**Screw:**




| Reference Designation | Shape | Description | Remarks |
|---|---|---|---|
| | | SCREWS | |
| P | | pan-head screw | binding-head (B) screw for replacement |
| PWH | | pan-head screw with washer face | binding-head (B) screw and flat washer for replacement |
| PS<br>PSP | | pan-head screw with spring washer | binding-head (B) screw and spring washer for replacement |
| PSW<br>PSPW | | pan-head screw with spring and flat washers | binding-head (B) screw and spring and flat washers for replacement |
| R | | round-head screw | binding-head (B) screw for replacement |
| K | | flat-countersunk-head screw | |
| RK | | oval-countersunk-head screw | |
| B | | binding-head screw | |
| T | | truss-head screw | binding-head (B) screw for replacement |
| F | | fillister-head screw | |
| RF | | fillister-head screw | |
| BV | | brazier-head screw | |

**Nut, Washer, Retaining ring:**



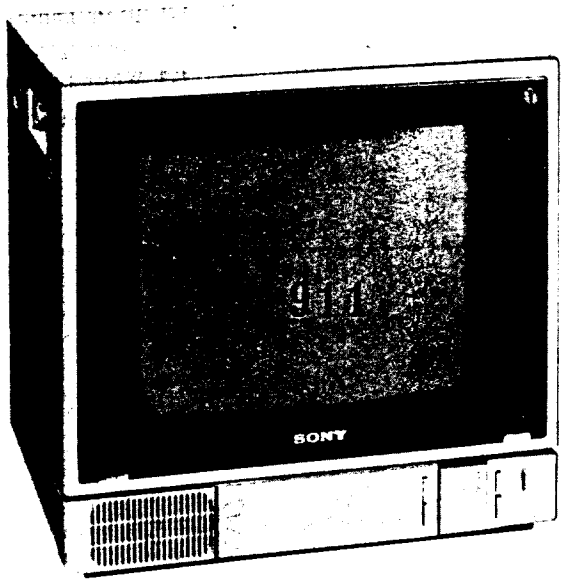

| Reference Designation | Shape | Description | Remarks |
|---|---|---|---|
| | | SELF-TAPPING SCREWS | |
| TA | | self-tapping screw | ex: TA, P 3 x 10 |
| PTP | | pan-head self-tapping screw | binding-head self-tapping (TA, B) screw for replacement |
| PTPWH | | pan-head self-tapping screw with washer face | binding-head self tapping (TA, B) screw and flat washer for replacement |
| PTTWH | | pan-head thread-rolling screw with washer face | binding-head (B) screw and flat washer for replacement |
| | | SET SCREWS | |
| SC | | set screw | |
| SC | | hexagon-socket set screw | ex: SC 2.6 x 4, hexagon socket |
| | | NUT | |
| N | | nut | |
| | | WASHERS | |
| W | | flat washer | |
| SW | | spring washer | |
| LW | | internal-tooth lock washer | ex: LW3, internal |
| LW | | external-tooth lock washer | ex: LW3, external |
| | | RETAINING RINGS | |
| E | | retaining ring | |
| G | | grip-type retaining ring | |

# CVM-1370QB

# ADJUSTMENT MANUAL

*UK Model*

*chassis No. SCC-488A-A*




February, 1984

Please use the Adjustment manual in conjunction with the Service Manual.

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   1-3. WHITE BALANCE . . . . . 4
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MICROFILM

TRINITRON® COLOR RECEIVER/MONITOR

SONY®

MON

# SECTION 1
# SETUP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed.

Controls and switch should be set as follows unless otherwise noted:

BRT, CONTR controls . . . . . fully clockwise

Make the following adjustments in the order as follows given:

1-1. Beam Landing.
1-2. Convergence.
1-3. White Balance.

**Note:** Test Equipment Required
1. Color-bar/pattern generator
2. Degausser

## 1-1. BEAM LANDING

**Preparation:**

- Before starting, degauss the entire screen.

1. Loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Adjust purity control to center the slide between two projections as shown in Fig. 1-1.
4. Slide deflection yoke as far forward as it will go.
5. Apply crosshatch pattern signal to VIDEO IN/ OUT connector through video tuner.
6. Turn RED CUT OFF VR (RV705) MAX and GREEN and BLUE CUT OFF VR (RV703) (RV701) MIN.
7. Turn purity control to center vertical red band as shown in Fig. 1-2.
8. Slide deflection yoke back for a uniform red screen.
9. Check green and blue rasters for uniformity. Repeat the steps 6, 7 and 8.
10. Turn all CUT OFF VR (RV701, 703, 705) for mechanical CENTER.
11. Install the deflection yoke spacers.
12. Tighten the deflection yoke screw.
13. Check if mislanding appears at corners a-d as shown in Fig. 1-3. If mislanding is observed, correct it as shown in Fig. 1-4.

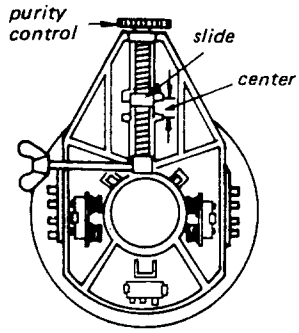



Fig. 1-1

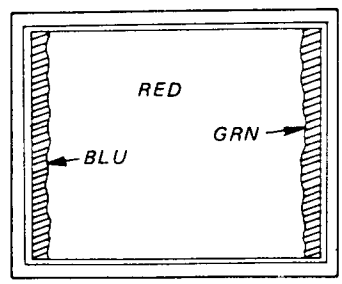



Fig. 1-2

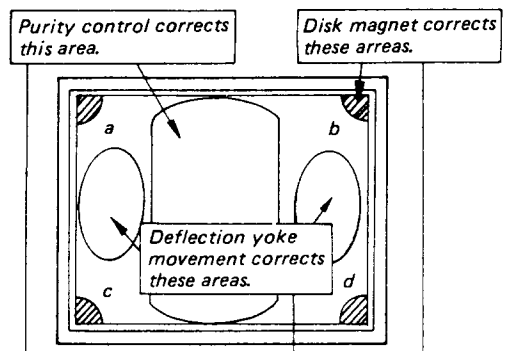



Fig. 1-3

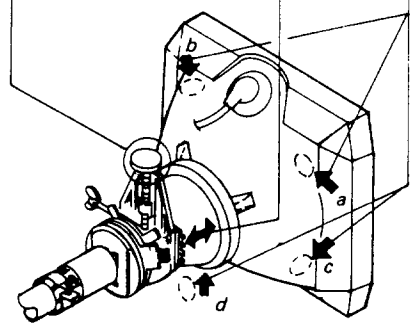



Fig. 1-4

## 1-2. CONVERGENCE

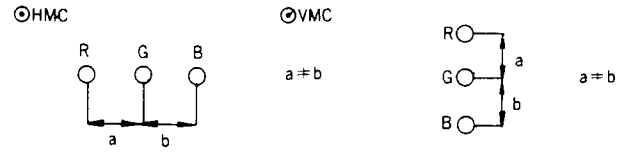
**Preparation:**

- Before starting, make FOCUS, H.SIZE, V.SIZE and V.LIN adjustments.
- Turn BRT control fully counterclockwise.
- Feed in the dot pattern.

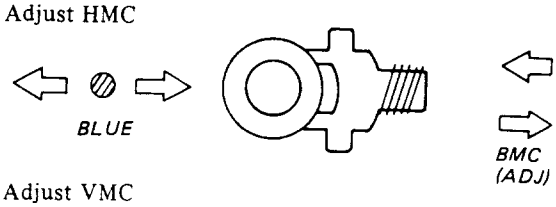
**(1) Horizontal Static Convergence and Vertical Static Convergence**

If blue dot does not coincide with red and green dots,
Move BMC magnet to correct insufficient H. Static convergence.
Rotate BMC magnet to correct insufficient V. static convergence.

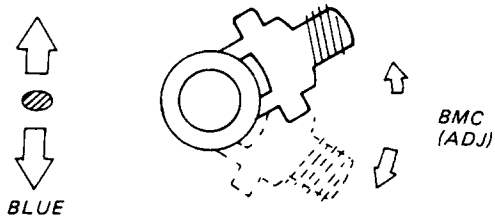
In either case, repeat Beam Landing Adjustment.

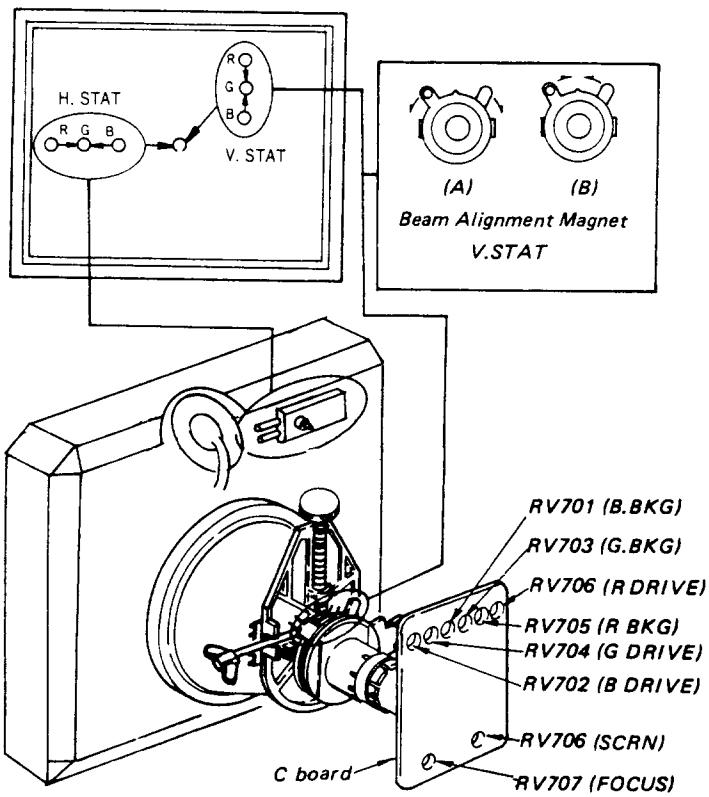



Adjust HMC




Adjust VMC



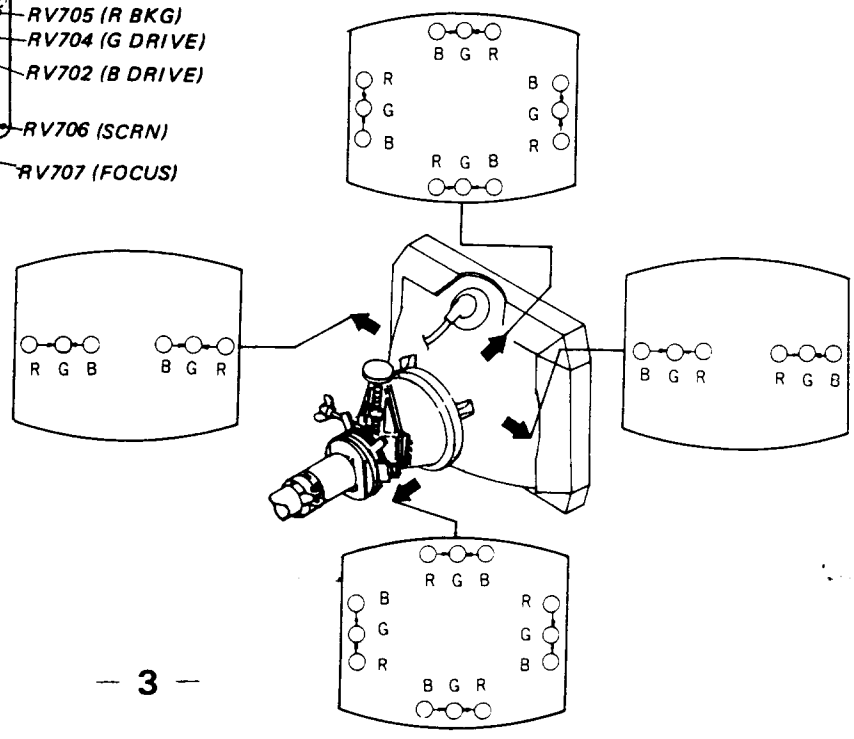




**(2) Dynamic Convergence Adjustment**

**Preparation:**

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.

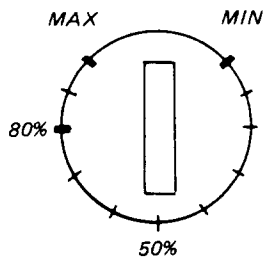
1. Loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Move the deflection yoke for best convergence as shown below.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.



## 1-3. WHITE BALANCE

(1) SCREEN (G2)

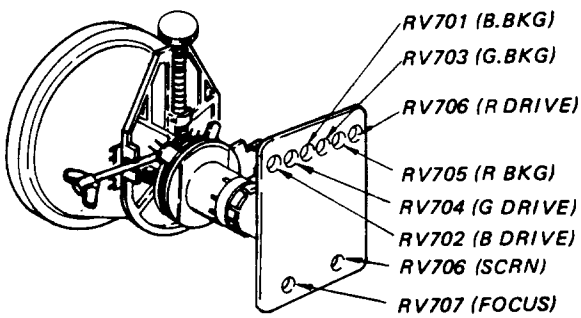
1. In put a dots pattern.
2. Set the PICTURE control at minimum and turn the BRIGHT control fully counterclock wise.
3. Confirm that BKG voltage is less than 110V dc when turning RV705 (R.BKG), RV703 (G.BKG) and RV701 (B.BKG).
4. Note the color which becomes visible first when turning RV706 (SCREEN VR).



*(Adjusting VR position)*

(2) WHITE BALANCE

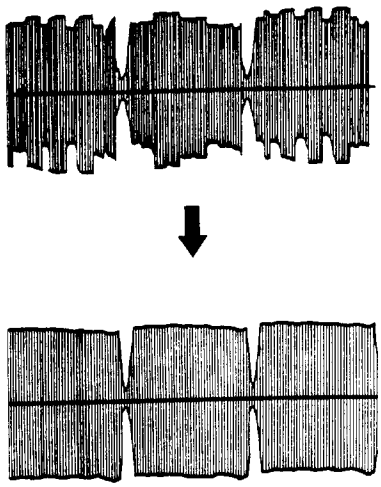
1. Input a cross-hatch pattern.
2. Set the PICTURE control to minimum and turn the BRIGHT control click position.
3. Turn RV702 (B.DRIVE), RV704 (G.DRIVE) and RV706 (R.DRIVE) fully clockwise.
4. Set RV705 (R.BKG), RV703 (G.BKG) and RV701 (B.BKG) to minimum.
5. Turn RV307 (SUB BRT) slowly to obtain a faintly visible cross-hatch. Note the color that first becomes visible by turning RV307. Do not turn a BKG control for this color.
6. Adjust the other two BKG controls for best white balance (neutral gray) of the faint cross-hatch.
   Set the PICTURE control to maximum and turn the BRIGHT control fully clockwise. Observe the screen and adjust the DRIVE controls for best white balance.
7. Repeat steps 1. through 6. several times.



## 2-1. B BOARD ADJUSTMENT (1)

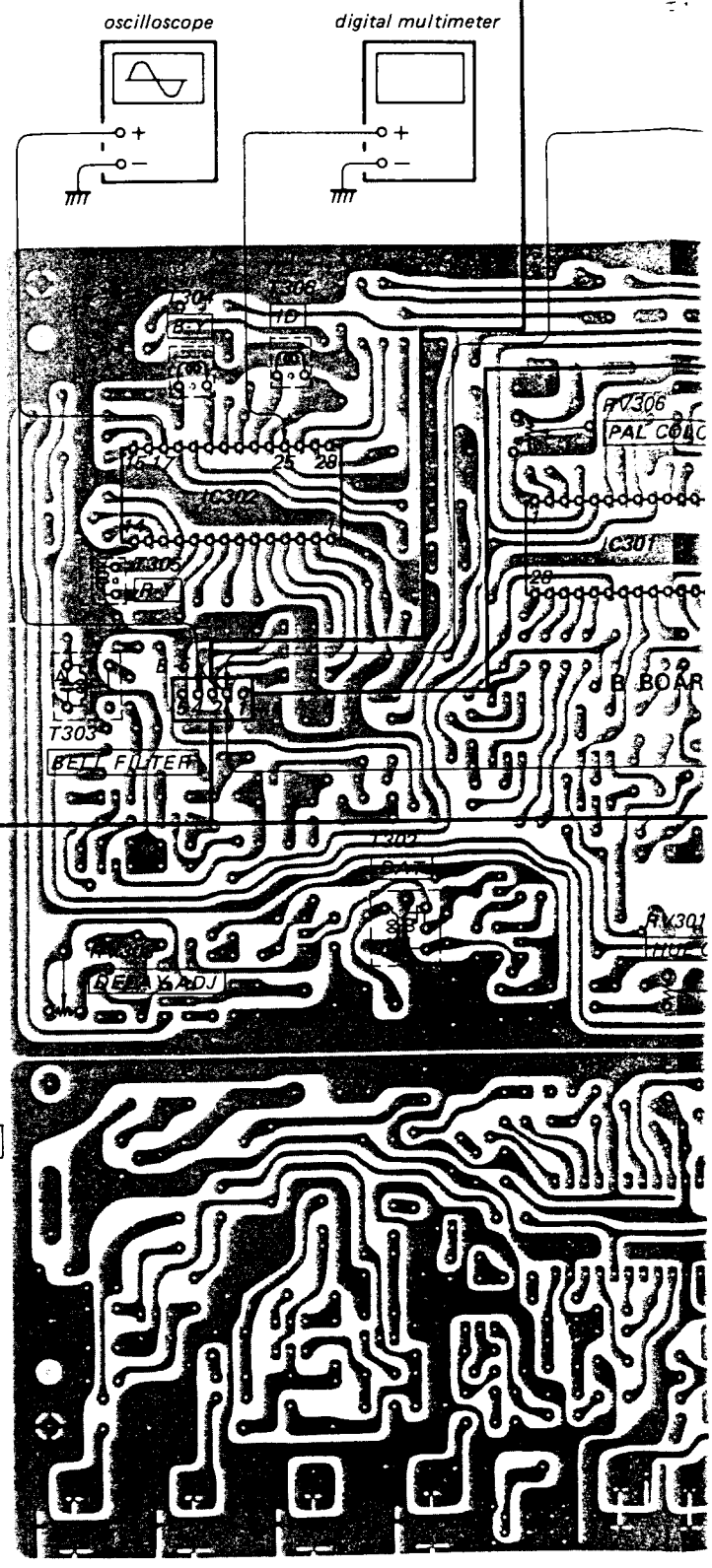
### SECAM Adjustment

(1) Bell Filter Adjustment
1) Input a SECAM color bar.
2) Observe IC302 pin (17) waveform and adjust T303 (bell filter) so that the waveform level is uniform.



(2) ID Adjustment (Intermodulation distortion)
1) Input a SECAM color bar.
2) Connect a digital voltmeter between IC302 pin (25) and ground, and adjust T306 so that the digital voltmeter reading is maximum.

(3) Color Balance Adjustment
1) Input a SECAM color bar.
2) PICTURE 80%
COLOR 50%
BRT 50%
3) Observe B-5 connector pin (2) (B out) waveform on the oscilloscope and adjust T304 (B-Y) so that the black portion of the color bar is the same level as the pedestal.
4) Observe B-5 connector pin (4) (R out) waveform on the oscilloscope and adjust T305 (R-Y) so that the black portion of the color bar is the same level as the pedestal.

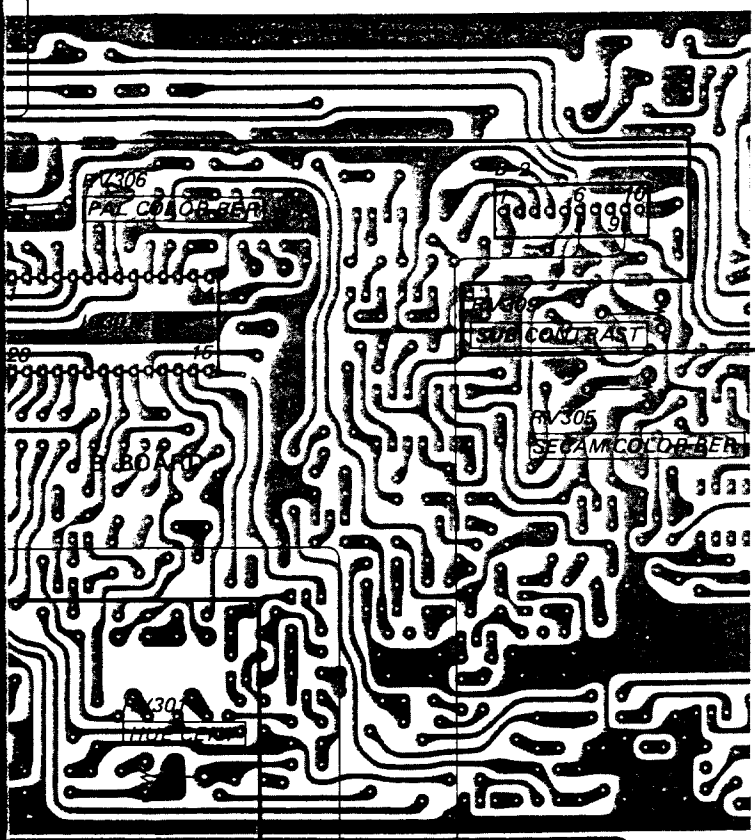



### ANTI-PAL, LINE CRAWLING Adjustment

(1) Anti-PAL Adjustment
1) Input a special color bar.
2) PICTURE 80%
COLOR 50%
BRT 50%
3) Confirm that there is no color on the first anti-PAL signal frames at the right and left of the picture. If there is, adjust to remove the anti-PAL color at both sides while tracking with RV301 (HUE CENT) and RV308 (DELAY ADJ).

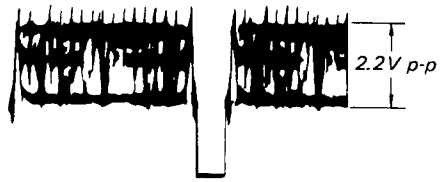
(2) Line Crawling Adjustment
1) Input a PAL color bar.
2) Adjust T302 (DAT) for minimum line crawling.
3) Confirm the anti-PAL adjustment in (1), and repeat (2) and (1) if necessary.

oscilloscope



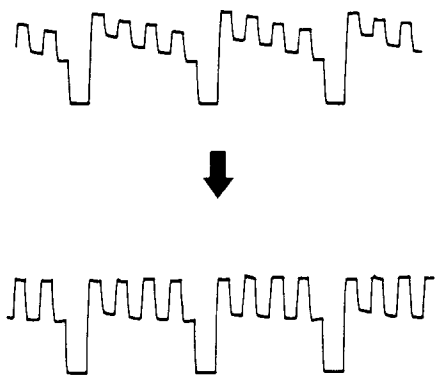

## SUB CONTRAST Adjustment

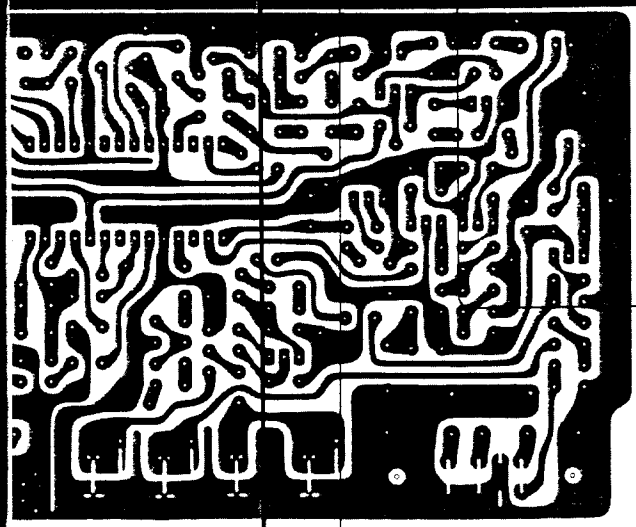
1) Input a monoscope signal.
2) BRT: mechanical center
   PICTURE: maximum (turned fully clockwise)
3) Observe B-5 connector pin (2) (B out) on the oscilloscope and adjust the sub contrast control (RV309) so that the signal component is 2.2Vp-p.




## SUB COLOR Adjustment

1) PICTURE 80%
   COLOR 50%
   BRT 50%
2) Apply 10.0±0.05V to B-2 connector pin (9), and 5.8±0.05V to B-2 connector pin (6).
3) Input a SECAM color bar.
4) Adjust RV305 so that B-5 connector pin (2) (B out) waveform is as shown in the figure.
5) Input a PAL color bar.
6) Observe B board B-5 connector plug B out waveform on the oscilloscope and adjust RV306 so that the waveform height is even.





oscilloscope

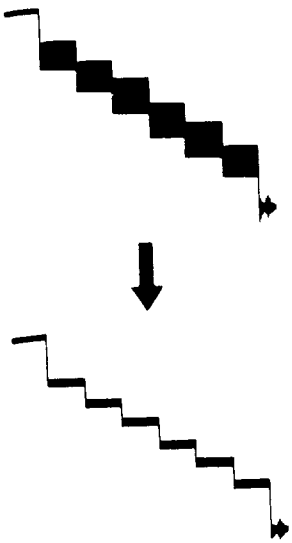
regulated-dc power supply

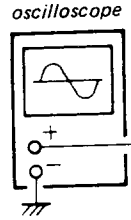
## B BOARD ADJUSTMENT (2)

### CHROMA TRAP Adjustment

(1) 4.43 Trap Adjustment
1) Input a PAL color bar.
2) Observe IC301 pin (28) waveform on the oscilloscope and adjust T307 for minimum chroma component.

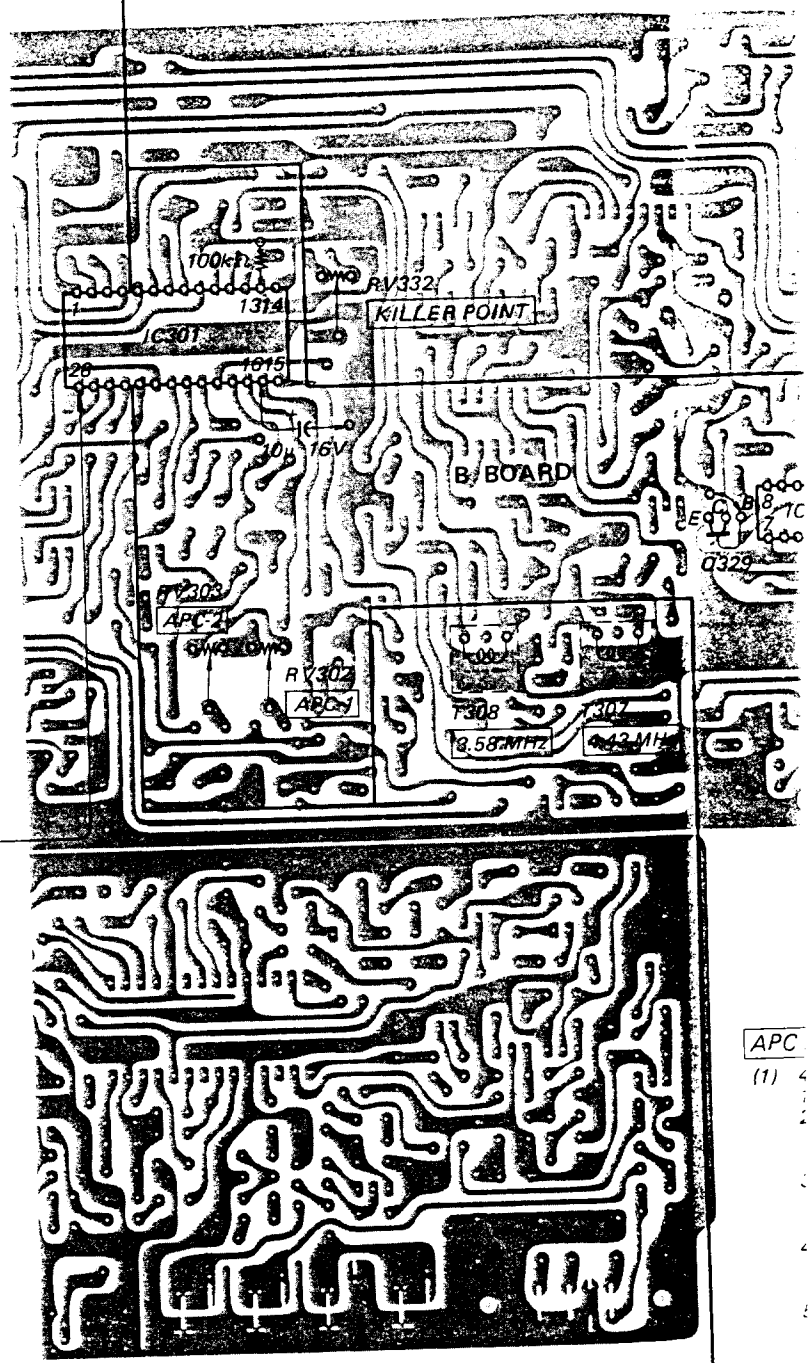
(2) SECAM Trap Adjustment
1) Input a SECAM color bar.
2) Observe IC301 pin (28) waveform on the oscilloscope and adjust T308 for minimum chroma component.






### KILLER POINT Adjustment

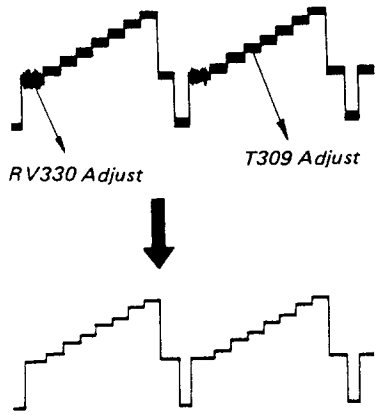
Adjust RV332 so that its center point voltage is 8.0±0.1V.

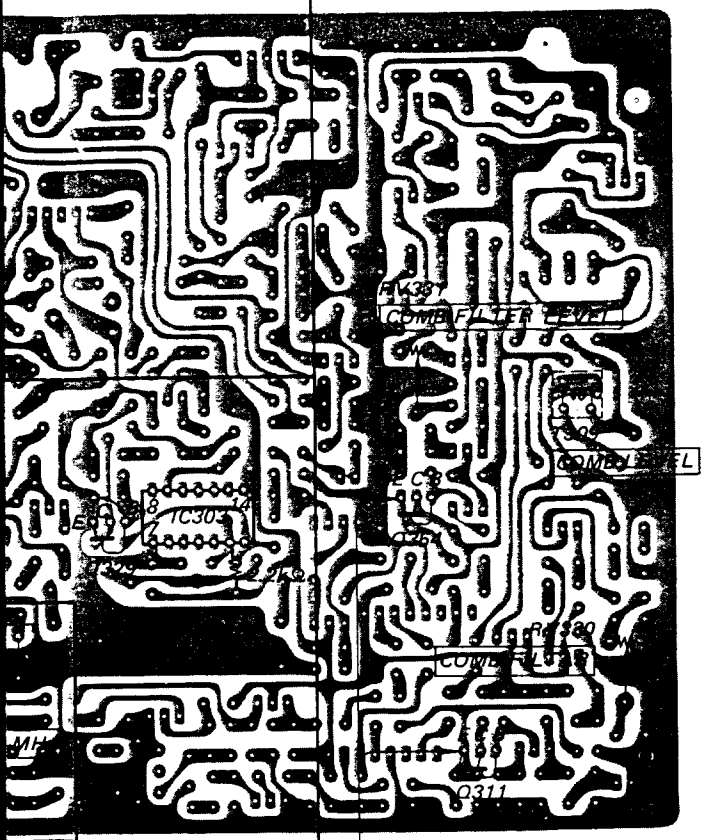



APC
(1)

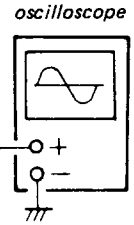
## COMB FILTER Adjustment

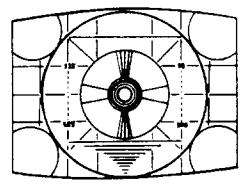
(1) 1H Delay Adjustment
1) Input a NTSC color bar.
2) Observe the Q354 emitter waveform on the oscilloscope, and adjust so that the chroma component is minimum, while tracking with RV330 and T309.




(2) Comb Filter Output Adjustment
1) Input a monoscope signal.
2) Adjust RV331 (comb level adjustment) so that Q354 emitter signal level is the same as Q311 emitter signal level.



(monoscope signal)

## APC Adjustment

(1) 4.43 (APC-2) Adjustment
1) Input a PAL color bar.
2) Connect a 100kΩ resistor between IC301 pin (13) and ground. (Killer circuit goes off.)
3) Connect IC303 pin (2) to +B via the 2.2kΩ resistor to get 4.43 mode.
4) Ground IC301 pin (16) with a 10μ/16V chemical capacitor and remove color sync.
5) Adjust RV303 (APC-2) to get color sync.

(2) 3.58 (APC-1) Adjustment
1) Input a NTSC color bar.
2) Connect a 100kΩ resistor between IC301 pin (13) and ground. (Killer circuit goes off.)
3) Ground IC301 pin (16) with a 10μ/16V chemical capacitor and remove color sync.
4) Ground Q329 base momentarily to get 3.58 mode.
5) Adjust RV302 (APC-1) to get color sync.

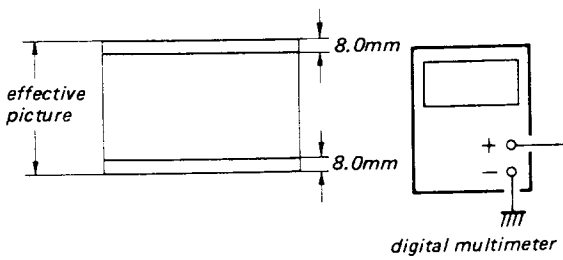
## 2-2. D BOARD ADJUSTMENT

### PREPARATION

1. Set AFC switch S/F to F (fast mode).
2. Set SCAN switch N/U to N (normal mode).
3. Set SYNC switch INT/EXT to INT (INT mode).

### VERTICAL DEFLECTION Adjustment

(1) Input a monoscope signal (NTSC).
(2) PICTURE 80%
BRT 50%
(3) Adjust V BIAS (RV504) so that V bias is 13.0±0.5V.
(4) Adjust V CENT (RV506) and adjust so that there are the same number of frames above and below V center when it is at the center.
(5) Set SCAN switch to under mode.
(6) Set U.V SIZE (RV502) to mechanical center.
(7) Select R615 (△R) so that vertical direction size is more than 16.5mm and so that none of the four corners of the picture are missing.
(Select after removing the 6.2Ω mounted in (3)).
(8) Set SCAN switch to normal mode.
(9) Adjust V BIAS (RV504) so that V bias is 13.0±0.5V.
(10) Adjust N.V SIZE (RV503) and V CENT (RV506) to adjust V SIZE.
11.5 frames for 625 monoscope
(11) Set SCAN switch to U mode.
(12) Adjust V SIZE during underscan with U.V SIZE (RV502).

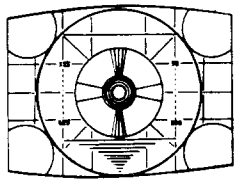



digital multimeter

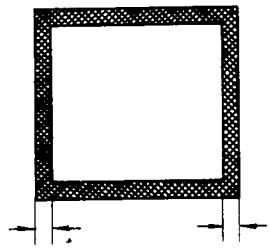
(13) Input a monoscope signal (PAL) and check that V SIZE (Normal) is about 114 frames.

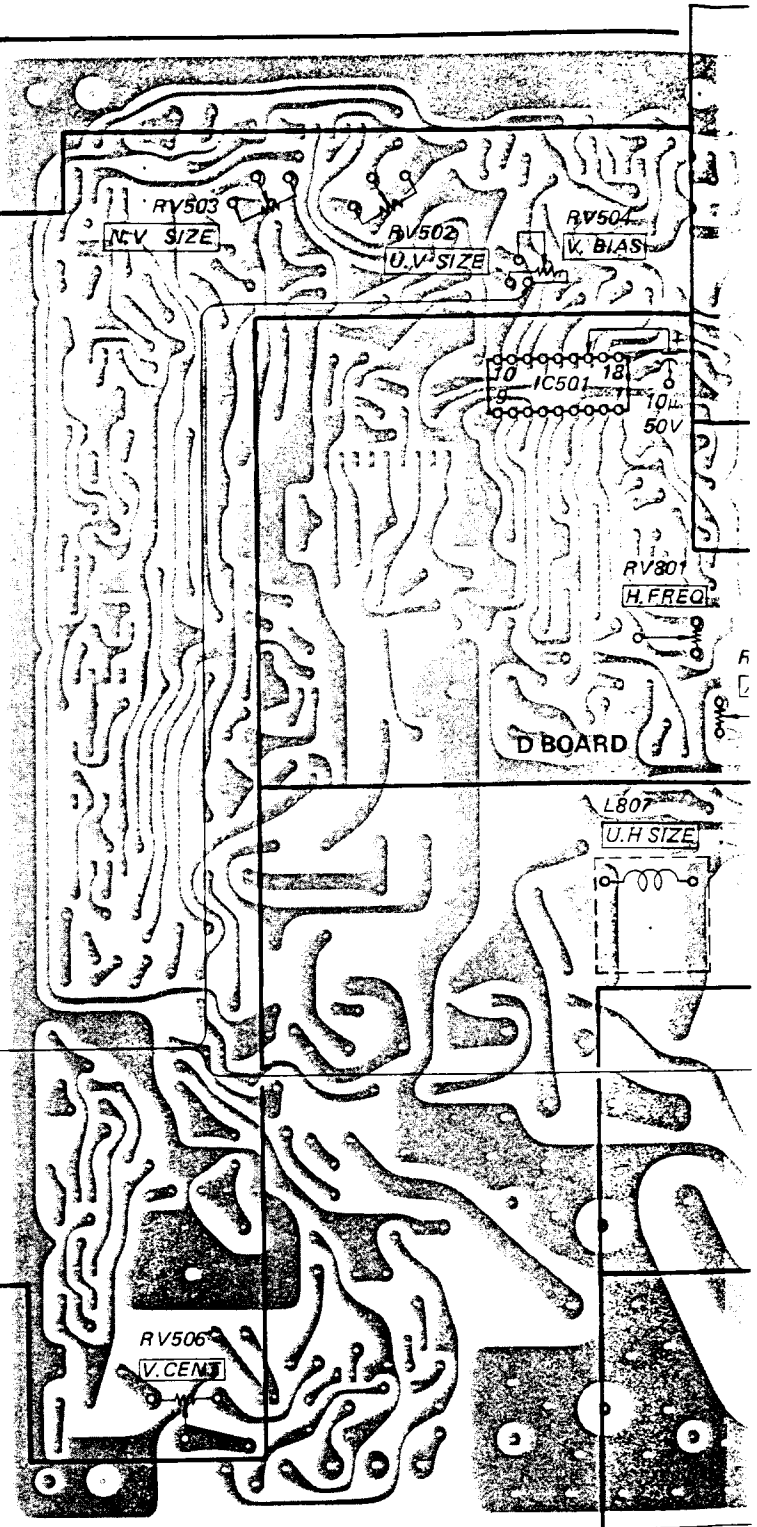
### HORIZONTAL DEFLECTION Adjustment

(1) Input a monoscope signal (NTSC).
(2) PICTURE 80%
BRT 50%
(3) Adjust H SIZE to about 15.3 frames with N.H SIZE coil (L804).
(4) Input a monoscope signal (PAL) and check that N.H SIZE is about 15 frames.
(5) Set SCAN switch to under mode.
(6) Adjust H SIZE as shown in the figure with U.H SIZE coil (L807).
(7) Receive a monoscope signal (NTSC) and check that horizontal direction picture size is as shown in the figure in (6).



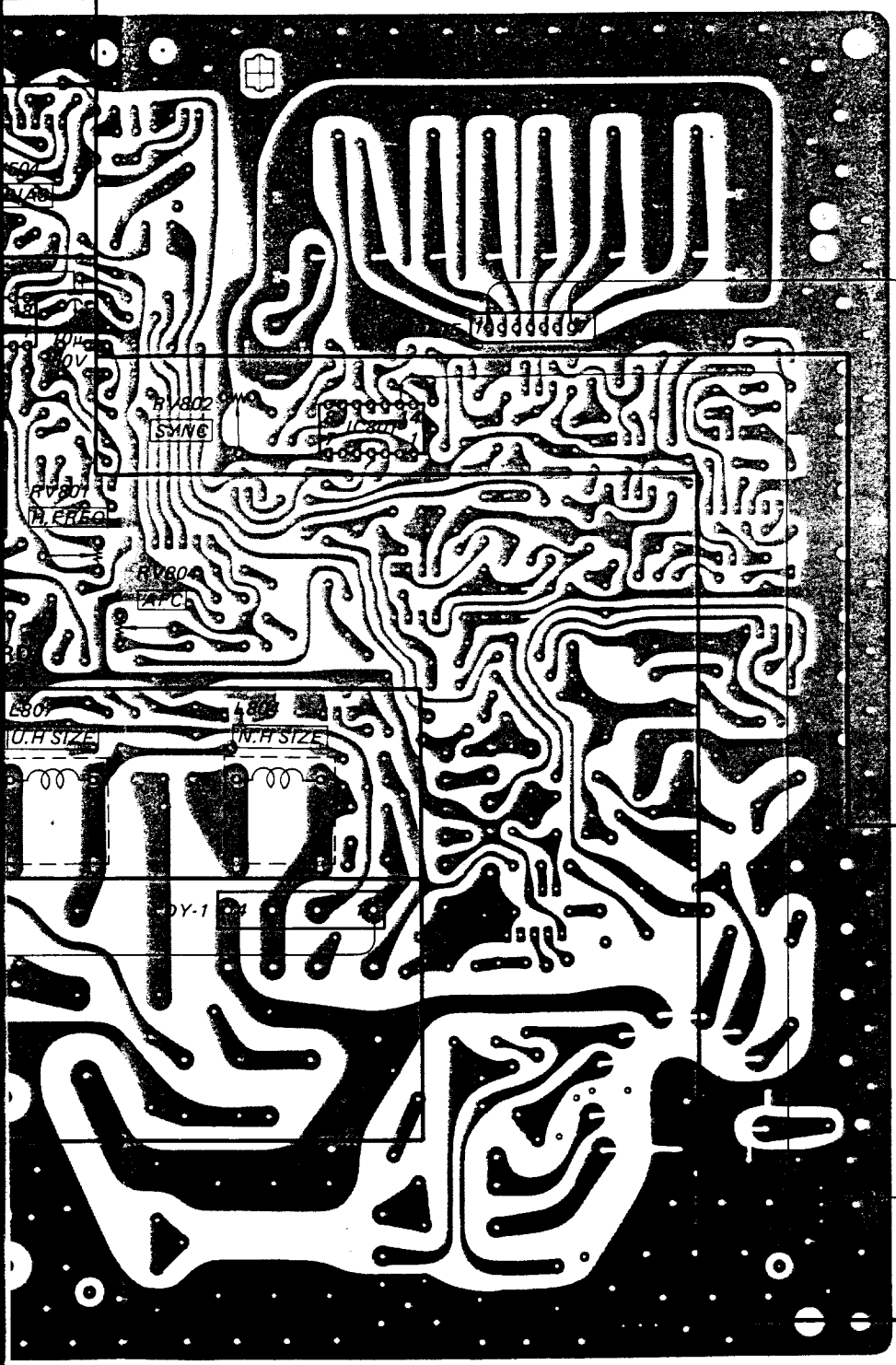
(monoscope signal)



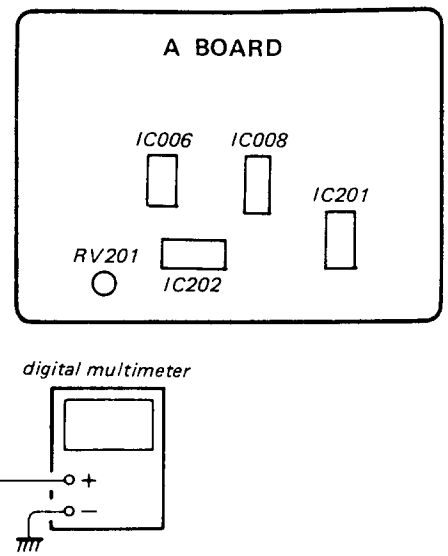

HORIZON
justment

(1) Receiv
(2) Set AF
SCAN
(3) PICTU
BRT
(4) Make p
alterna
supply.
(5) Ground
50V ch



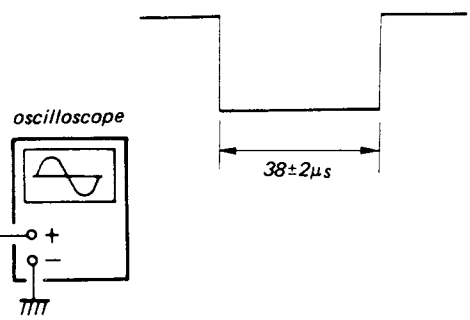

## TUNER AGC Adjustment

(1) Connect a voltmeter to D-15 connecter pin (1).
(2) Receive a color bar signal, and get just tuning.
(3) Set brightness VR to center click position and picture VR to initial set position.
(4) Check that there is 12.0V-13.0V at tuner +B pin.
(5) Adjust so that there is $7.5^{+0}_{-0.5}$ V coming out on D-15 connecter pin (7), with RV201 on A board.



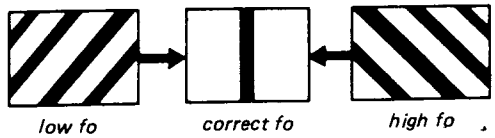

## SYNC SEP Adjustment

(1) Input a color bar (NTSC).
(2) Adjust RV802 so that the IC801 pin (13) waveform is as shown in the figure.




## HORIZONTAL OSCILLATION FREQUENCY Adjustment

(1) Receive a monoscope signal (NTSC).
(2) Set AFC switch to fast mode, and the SCAN switch to normal mode.
(3) PICTURE 80%
BRT 50%
(4) Make power supply voltage 110V with alternating current stabilized power supply.
(5) Ground IC501 pin (16) with a 10μ/50V chemical capacitor.
(6) Turn the H.FREQ control (RV801) so that the diagonal lines in the picture become vertical.




fo = 15,734 Hz

(7) Receive a monoscope signal (PAL) and check the horizontal oscillation frequency.
(8) When the AFC switch is set for slow, the picture moves from right to left, so adjust RV804 so that the H.CENT shift amount is within ±2mm, with fast as the reference.
(Note: Check for both NTSC and PAL monoscope signals.)

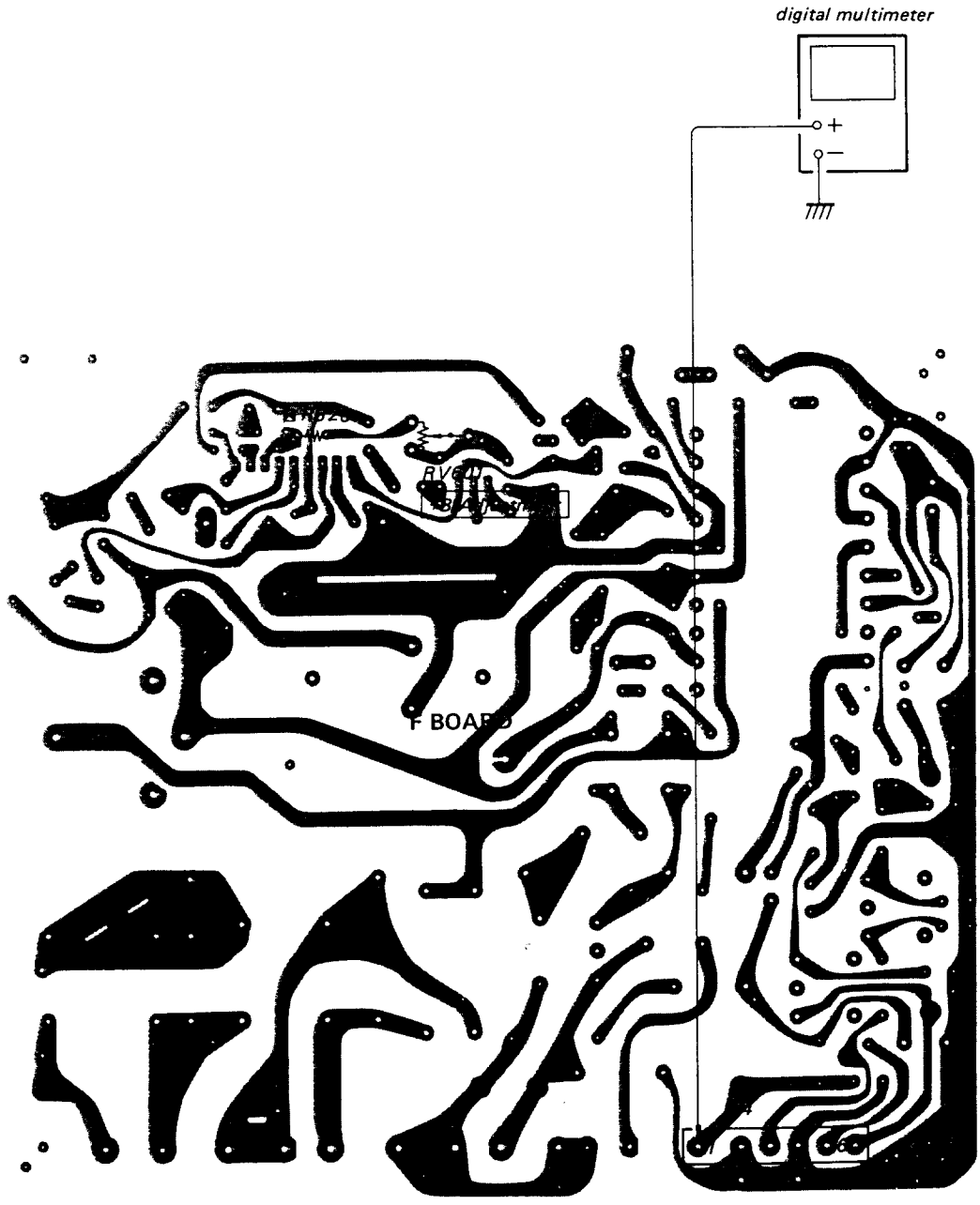
## 2-3. F BOARD ADJUSTMENT

*+B MAX Check*

*(1) Receive a dot signal.*
*(2) Cut off the set.*
*(3) Turn F board +B ADJ VR (RV601) fully so that +B value is maximum.*
*(4) Confirm that +B value is less than 112.0~ 125.0V.*

*+B Adjustment*

*(1) Input a dot signal.*
*(2) Set to reference state: PIC 80%, BRT 50%.*
*(3) Adjust F board RV601 so that +B value is 109.0 ±0.5V.*



CVM-1370QB

SONY

# SERVICE MANUAL

*UK Model*

*Chassis No. SCC-488A-A*

*Serial No. 200,301 and later*

No. 1

September, 1983

# SUPPLEMENT-1

SUBJECT: CIRCUIT MODIFICATIONS

This supplement is available for the set of Serial No. 200,301 and later.
File this supplement with the service manual.

## INTRODUCTION

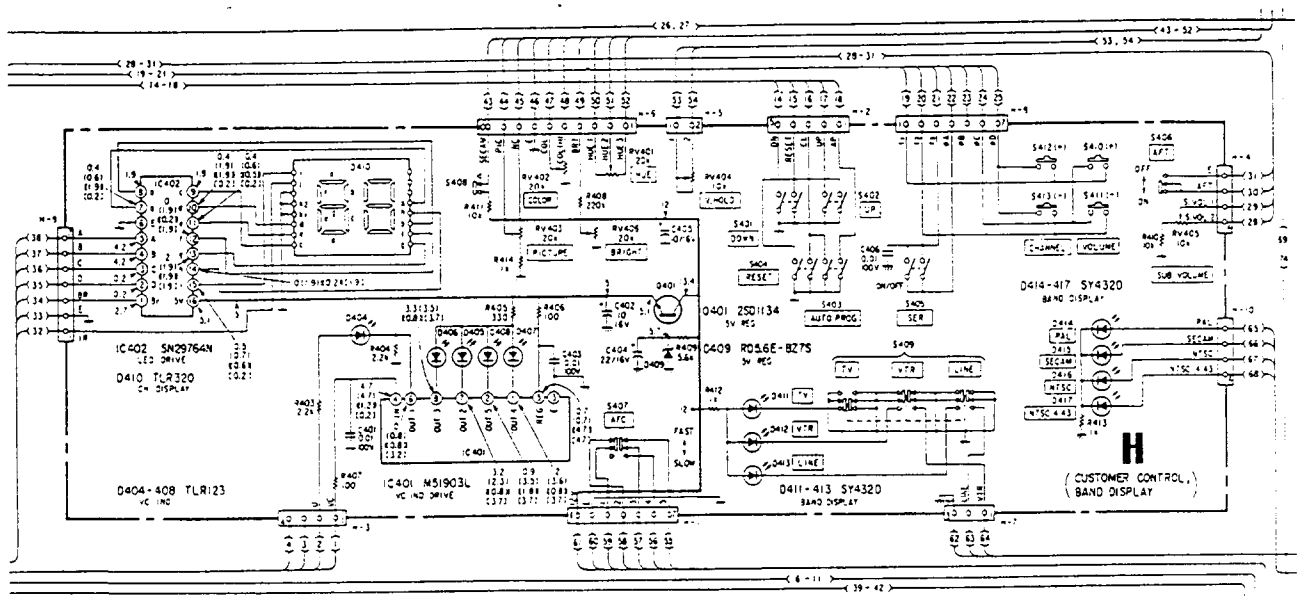
1. H board have been modified.
2. H board patterns have been modified.

MICROFILM

MON

SECTION 3

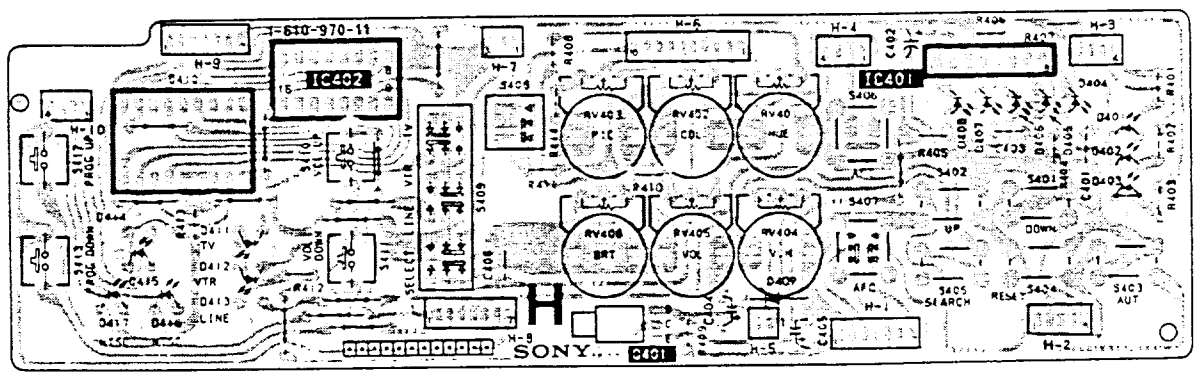
3-3. SCHEMATIC DIAGRAM: page 23, 24




3-4. PRINTED WIRING BOARDS

*– Conductor Side –*

H BOARD: page 38




SECTION 5

H BOARD : page 59

| | |
|---|---|
| ★:1-609-423-00 H BOARD ******* | ★:1-610-970-11 H BOARD ******* |

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# CVM-1370QB

SONY

# SERVICE/ADJUSTMENT MANUAL

*UK Model*

*Chassis No. SCC-488A-A*

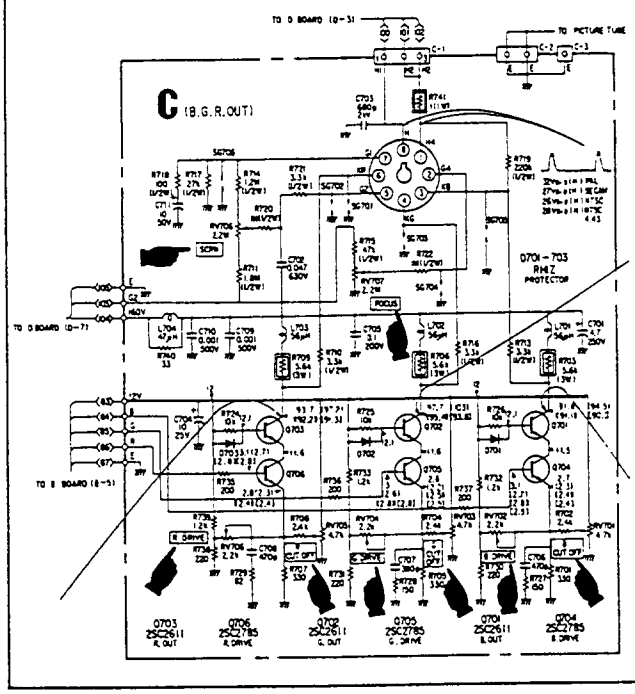
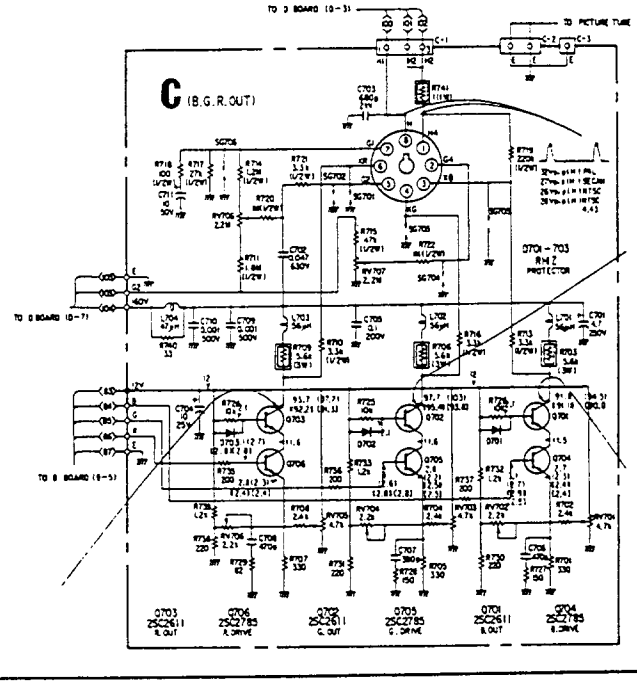
February, 1984

# CORRECTION-1

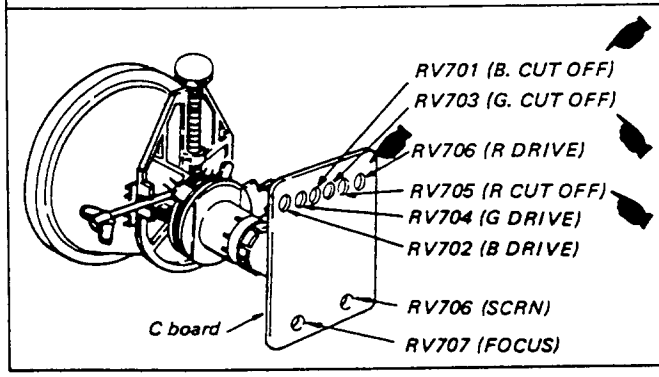
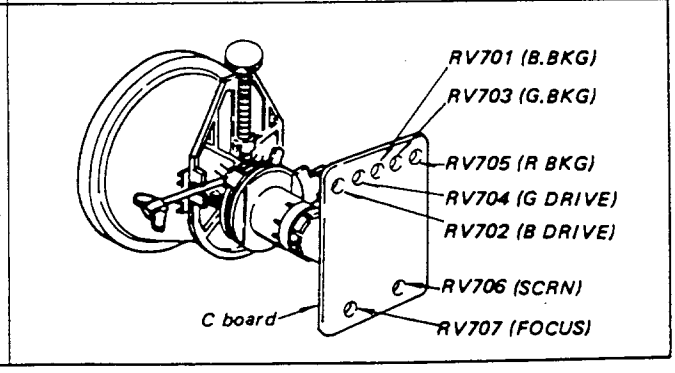
File this correction-1 with the service manual.

☛ : corrected portion

1. SECTION 3 SCHEMATIC DIAGRAM: Page 29

| Correct | Incorrect |
|---|---|
|  |  |

2. SECTION 1 SETUP ADJUSTMENTS: Page 3, 4

| Correct | Incorrect |
|---|---|
|  |  |





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